

# Oklahoma Panhandle State University

## General Catalog

**2007-2008**

July 2007

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## TABLE OF CONTENTS

<b>Campus Map .....</b>	<b>3</b>
<b>Affirmative Action Compliance Statement .....</b>	<b>5</b>
<b>OPSU Academic Calendar .....</b>	<b>6</b>
<b>Oklahoma State Regents for Higher Education .....</b>	<b>7</b>
<b>Board of Regents for the Oklahoma Agricultural and Mechanical Colleges .....</b>	<b>7</b>
<b>OPSU Administrative Officers .....</b>	<b>8</b>
<b>Staff .....</b>	<b>9</b>
<b>Faculty .....</b>	<b>13</b>
<b>History, Mission, and Functions .....</b>	<b>22</b>
<b>Instructional Administrative Organization .....</b>	<b>23</b>
<b>General Information .....</b>	<b>24</b>
<b>Fees .....</b>	<b>27</b>
<b>Living Accommodations .....</b>	<b>31</b>
<b>Community Services and Resources .....</b>	<b>32</b>
<b>Student Services .....</b>	<b>36</b>
<b>Financial Aid to Students .....</b>	<b>40</b>
<b>Scholarships and Awards .....</b>	<b>46</b>
<b>Student Organizations .....</b>	<b>57</b>
<b>General Admissions and Retention Regulations .....</b>	<b>58</b>
<b>Academic Regulations .....</b>	<b>71</b>
<b>General Requirements for Graduation .....</b>	<b>75</b>
<b>General Education Curriculum .....</b>	<b>80</b>
<b>University College .....</b>	<b>82</b>
<b>Associate Degree Programs .....</b>	<b>84</b>
<b>Pre-professional Programs .....</b>	<b>92</b>
<b>Baccalaureate Programs</b>	
School of Agriculture .....	96
School of Business and Technology .....	103
School of Education .....	114
School of Liberal Arts .....	127
School of Science, Mathematics, and Nursing .....	146
<b>Description of Courses .....</b>	<b>157</b>
<b>Appendix A</b>	
Presidents of Oklahoma Panhandle State University .....	221
<b>Appendix B</b>	
Recipients of J.R.P. Sewell Scholarship and Achievement Award .....	221
<b>Index .....</b>	<b>222</b>

# OKLAHOMA PANHANDLE STATE UNIVERSITY

## Campus Map

11-89-88



- 1. TENNIS COURTS
- 2. METHODIST STUDENT CENTER
- 3. CARTER HALL
- 4. NORTH HALL
- 5. FIELD HALL (RESIDENT HALL)
- 6. STUDENT APARTMENTS
- 7. HAYNES POWER PLANT
- 8. METAL SHOP BUILDING
- 9. PHYSICAL PLANT
- 10. OUTSIDE BASKETBALL COURTS
- 11. MULLER HALL
- 12. STUDENT UNION
- 13. HESPER HALL
- 14. HUGHES STRONG AUDITORIUM
- 15. HOLTER HALL (RESIDENT HALL)
- 16. HAMILTON HALL
- 17. HEFLEY HALL
- 18. SCHELL-(DOO)BURROW HALL
- 19. FRANKLIN HALL APARTMENTS
- 20. NO MAN'S LAND HISTORICAL MUSEUM
- 21. BAPTIST STUDENT CENTER
- 22. BASEBALL FIELD
- 23. SOFTBALL FIELD
- 24. NEW STUDENT APARTMENT COMPLEX SITE
- 25. MARVIN E. MOORE LIBRARY
- 26. PRESTON MEAT LAB

- 27. PRESIDENT'S RESIDENCE
- 28. OSCAR WILLIAMS FIELD HOUSE
- 29. FACULTY APARTMENTS
- 30. FACULTY ROW
- 31. DROUNDS
- 32. CARL WOOLEN FIELD
- 33. CONCESSION STAND & REST ROOMS
- 34. FOOTBALL PRACTICE / INTRAMURAL FIELD
- 35. CHURCH OF CHRIST STUDENT CENTER
- 36. GREEN HOUSE
- 37. RESTROOMS AND STORAGE
- 38. GOLF COURSE
- 39. NOBLE ACTIVITY CENTER
- 40. NOBLE ACTIVITY CENTER PARKING LOT
- 41. NEW SCIENCE & AGRICULTURE BLDG. SITE
- 42. CLOCK TOWER
- 43. CAMPUS PLAZA
- 44. MOTOR POOL MAINTENANCE
- 45. MOTOR POOL

COUNTY ROAD



TEXHOMA  
HIGHWAY 54  
OPSU SIGN  
GUYMON

## President's Message

2007-2008

Oklahoma Panhandle State University is one of the best environments in the High Plains for students to receive a degree while obtaining life-learning skills. A university should be more than just academics; it should be a learning experience! There are many advantages for OPSU's students. Some of the most positive aspects include small classes to afford students the opportunity to know their peers and a surrounding that provides for individual attention from faculty and staff. Our community ensures you meet almost everyone on campus. OPSU Aggies have the opportunity to become involved in campus organizations and accept leadership roles. All student organizations have faculty as sponsors and advisors; this is another example of how our environment is conducive for learning successful life skills inside and outside of the classroom.

Highly qualified, caring faculty instruct OPSU students. And, "students as customers" is a concept that is at the center of everything connected with OPSU.

This is an exciting time in your life, filled with learning decisions that will lead you toward a career, interaction with others, and development of lifelong professional and personal friendships. OPSU provides a high-quality, student-centered learning environment. It is the university of choice for the Panhandle Region, and we hope you make it your choice as well.

David A. Bryant

President



## GENERAL CATALOG 2007-2008

### **Affirmative Action Compliance Statement**

This institution, in compliance with Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 503 and 504 of the Rehabilitation Act of 1973, Section 402 of the Readjustment Assistance Act of 1974, Americans with Disabilities Act of 1990, and other federal laws and regulations, does not discriminate on the basis of race, color, national origin, sex, age, religion, marital status, disabilities, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to admission, employment, financial aid, and educational services.

### **Accredited by**

- North Central Association of Colleges and Secondary Schools  
(www.ncacihe.org - 812-263-0452)
- National Council for Accreditation of Teacher Education (www.ncate.org - 202-466-7496)
- Oklahoma Association of Colleges of Teacher Education (<http://www.opsu.edu/education/oacte/> - 405-878-2115)
- Oklahoma State Board of Education
- National League for Nursing Accrediting Commission (NLNAC)

For information regarding accreditation, contact the Office of the President in Room 142 of Sewell-Loofbourrow Hall.

### **Members of**

- American Association of Colleges for Teacher Education
- American Council on Education
- Oklahoma System of Higher Education
- American Library Association
- Association of College and Research Libraries
- National League for Nursing
- American Association of Colleges of Nursing
- Oklahoma Broadcasters Education Association
- Oklahoma Association of Colleges for Teacher Education
- Oklahoma College Public Relations Association

### **Privacy Rights**

The Family Rights and Privacy Act of 1974 establishes certain rights. The following statement summarizes these privacy rights and the policy of Oklahoma Panhandle State University (OPSU).

Students of OPSU have the right to inspect and review information contained in their educational records; challenge the contents of their educational records; bring forth a hearing if the outcome of their challenge of the contents of their educational records is unsatisfactory; prevent disclosure, with certain exceptions, of personally identifiable information from their educational records; secure a copy of the institutional policy, which includes the location of all educational records; file complaints with the Office of the Vice President for Academic Affairs concerning alleged failures of OPSU to comply with the act; file with the Office of the Registrar during the first two weeks of the fall semester written requests not to release information pertaining to them. Directory information will be released by the Office of the Registrar until receipt of a request from the student asking that this information not be released.

OPSU has declared the following information to be directory information:

- Student's name
- Local and permanent addresses
- Telephone number
- Date of birth
- Major field of study
- Weight and height of student
- Dates of attendance at OPSU
- Degrees and awards granted
- Academic classification  
(freshman, sophomore, junior, senior)

*To comply with federal regulations, OPSU maintains records of the formal, written student complaints filed with the offices of the president, vice president for academic affairs, and vice president for student services.*

*This catalog contains policies and procedures which were in existence as this publication went to press. The administration reserves the right to modify or amend any statement, class, or policy to reflect current Oklahoma State Board of Regents' policies, administrative regulations, budgetary constraints or procedures, and applicable state or federal laws and regulations.*

## OPSU Academic Calendar 2007-2008

### *May Interterm 2007*

#### **May 21 through May 31, 2007**

November 14, 2006 .....	Registration Begins
May 21, 2007 .....	Classes Begin
May 31 .....	Interterm Ends

### *Summer Semester 2007*

#### **June 4 through July 30, 2007**

November 14, 2006 .....	Registration Begins
June 4, 2007 .....	Classes Begin
July 4 .....	Independence Day (no classes)
July 30 .....	Summer term Ends

### *Fall Semester 2007*

#### **August 15 through December 13, 2007**

April 3, 2007 .....	Registration Begins
August 15 .....	Classes Begin
August 21 .....	Last Day to Add or Enroll
September 3 .....	Labor Day (no classes)
October 18 and 19 .....	Fall Break (no classes)
November 16 .....	Statehood Day (no classes)
November 21, 22 and 23 .....	Thanksgiving Break (no classes)
December 10-13 .....	Final Examinations
December 13 .....	Semester Ends

### *January Interterm 2008*

#### **January 2 through January 11, 2008**

April 3, 2007 .....	Registration Begins
January 2, 2008 .....	Classes Begin
January 11 .....	Interterm Ends

### *Spring Semester 2008*

#### **January 16 through May 16, 2008**

November 13, 2007 .....	Registration Begins
January 16, 2008 .....	Classes Begin
January 21 .....	Martin Luther King Jr. Day, Observed (no classes)
January 23 .....	Last Day to Add or Enroll
March 17-21 .....	Spring Break (no classes)
March 24 .....	Easter Break (no classes)
May 13-16 .....	Final Examinations
May 16 .....	Semester Ends
May 17 .....	Commencement

### Oklahoma State Regents for Higher Education

Glen D. Johnson, Chancellor .....	Oklahoma City
Bill W. Burgess .....	Lawton
Joseph C. Parker .....	Tulsa
Julie Carson .....	Claremore
James D. Harrell .....	Leedy
Cheryl Hunter .....	Oklahoma City
John Massey .....	Durant
William Stuart Price .....	Tulsa
Carl R. Renfro .....	Ponca City
Ronald H. White .....	Oklahoma City

### Board of Regents for the Oklahoma Agricultural and Mechanical Colleges

Calvin J. Anthony .....	Stillwater
Douglas E. Burns .....	Norman
Claud D. Evans .....	Okemah
Joe Duke Hall .....	Elk City
V. Burns Hargis .....	Oklahoma City
Jay L. Helm .....	Tulsa
Gregg Massey .....	Durant
Terry L. Peach .....	Oklahoma City
Lou Watkins .....	Stillwater
W. Douglas Wilson, Executive Secretary .....	Oklahoma City

**OPSU Administrative Officers**

David A. Bryant ..... President  
B.S., Washington State University; M.S., Texas Tech University; Ph.D., University of Arizona  
2003

Wayne E. Manning ..... Vice President, Academic Affairs/Outreach  
B.S., New York Institute of Technology; M.A. Webster University; Ed.D., Nova Southeastern University  
1987

Larry Peters ..... Vice President, Fiscal Affairs  
B.S., M.S., Oklahoma State University  
2001



*Commencement 2007*



**Staff**

Cheryl Ashpaugh .....	Director of Payroll/Personnel B.B.A., Oklahoma Panhandle State University 1985
Amanda Battenhorst .....	Bookstore Manager Pursuing a degree at Oklahoma Panhandle State University 1999
Eric Begley .....	Director, High School and Community Relations/Student Financial Consultant B.S., Oklahoma Panhandle State University 1997
Phillip Carlson .....	Assistant Football Coach B.A. Westminster College of Missouri 2007
Sheldon Cayton .....	Assistant Director, Technology-ITV 2001
Maggie Cline .....	Secretary, Dean of Education 2000
Dana Collins .....	Insurance Coordinator B.B.A., Oklahoma Panhandle State University 2006
Theresa "Tere" Curtis .....	Housing Director B.S.A., Oklahoma Panhandle State University 2001
Benny Dain .....	Comptroller B.S., Oklahoma Panhandle State University 1990
Jolie Dennis .....	Admissions Counselor B.B.A., Oklahoma Panhandle State University; M.B.A., University of Phoenix 2002
Abigail Evans .....	Administrative Assistant, Vice President for Academic Affairs Pursuing degree at Oklahoma Panhandle State University 1994
Christi Hale .....	Director, Counseling Testing and Placement B.B.A., Oklahoma Panhandle State University; M.A., Liberty University 2003
Laura Hays .....	Director, Campus Communications Pursuing degree at Oklahoma Panhandle State University 1998
Howard Henderson .....	Director, Technology B.B.A., Oklahoma Panhandle State University; M.B.A., University of Texas 1990

**10**

- Lupita Henderson ..... Financial Aid Clerk  
B.B.A., Oklahoma Panhandle State University  
2006
- Amber Hollis ..... Director, Noble Center; Director, Intramurals  
B.S., Oklahoma Panhandle State University  
2001
- Jonathan Hogg ..... Director, Upward Bound Program  
B.A., Bethel College  
2003
- Sherry Huddleston ..... Executive Secretary, Vice President for Fiscal Affairs  
2004
- Bobby Jenkins ..... Registrar/Director, Admissions  
B.S., Oklahoma Panhandle State University  
2004
- Dawn Lloyd ..... Secretary, Library  
B.S., Mankato State College  
2007
- Consuelo Luera ..... Director, Continuing Education  
B.S., Oklahoma Panhandle State University  
2006
- Jessica Lofland ..... Director, Student Services and Activities  
B.B.A., Oklahoma Panhandle State University, M.B.A., Southwestern Oklahoma State University  
2006
- Virginia Manning ..... Secretary, Department of Nursing  
B.A., Oklahoma Panhandle State University  
2001
- Charles Mark ..... Manager, Residence Halls  
B.S., Oklahoma Panhandle State University  
2000
- Jena Marr ..... Chief Accountant  
B.B.A., Oklahoma Panhandle State University  
2000
- Gwen Martin ..... Secretary, Dean of Agriculture  
1968
- Amanda Martinez ..... Assistant Cashier, Human Resources Clerk  
2001
- Jeramie Mayer ..... Director, Field Placement  
B.A., Oklahoma Panhandle State University  
2007

Evi Meyer .....	Assistant to the Registrar A.A.S., Frank Phillips University, A.A.S., B.B.A., Oklahoma Panhandle State University	1998
Teresa Mora .....	Hispanic Coordinator, Adjunct Instructor of Spanish B.A., Wartburg College; M.Ed. University of Central Oklahoma	200
Nancy Nelson .....	Recruiter B.S., Oklahoma Panhandle State University	2003
Stacy Nordquist .....	Asst. Coach, Men's Basketball, Asst. Athletic Director, Compliance, Head Coach, Women's Golf B.S., Oklahoma Panhandle State University, M.S., University of Wisconsin-Milwaukee	2006
Jerry Olson .....	Athletic Director, Head Coach, Men's Basketball B.S., University of Minnesota-Morris, M.S., Montana State University.	2004
Jill Olson .....	Administrative Assistant, President's Office B.A., University of Minnesota	2004
Rene Ramon .....	Secretary, Counseling, Testing & Placement Pursuing Degree at Oklahoma Panhandle State University	2005
M.E. "Mel" Riley .....	Director, Financial Aid	1980
Ima Romesburg .....	Loan Specialist	2001
Robert Scott .....	Superintendent, Physical Plant	1985
Jill Shaw .....	Administrative Secretary, Continuing Education B.S., Oklahoma Panhandle State University	2007
Brenda Shilling .....	Switchboard Operator	2000
Dara Short .....	Admissions Clerk, Coordinator, International Students B.B.A., Oklahoma Panhandle State University	2004
Joyce Short .....	Cashier	1995
John Sircy .....	Manager, Farm	1988
Michal Stachowski .....	Assistant Webmaster B.B.A., Oklahoma Panhandle State University	2006

**12**

- Brad VandenBoorgaard ..... Head Coach, Women’s Basketball; Assistant Athletic Director for Marketing  
B.S., University of Wisconsin-Parkside, M.A., Loras College  
2007
- Joseph Vigil ..... Teacher, Upward Bound  
B.A., M.A., New Mexico Highlands University  
2003
- Seth Womack ..... Assistant Coach, Football  
B.A., Westminister College of Missouri  
2007
- Larry Wright ..... Computer Technician  
B.B.A., Oklahoma Panhandle State University  
1998
- W. Mike Wyatt ..... Head Coach, Football  
B.S., Oklahoma Panhandle State University  
2006

## School Deans

- Peter Camfield, Agriculture ..... Professor, Animal Science  
B.S., Sul Ross State University; M.S., West Texas State University; Ph.D., University of Arkansas  
1996
- Carolyn McCargish, Developmental Studies ..... Assistant Professor, Developmental Studies/Education  
B.S., M.A., Western New Mexico State University  
2000
- Diane Murphey, Business and Technology ..... Professor, Business  
Head, Department of Computer Information Systems  
CDP/CNA, B.S., M.S., Oklahoma State University  
1981
- R. Wayne Stewart, Education ..... Professor, Education  
B.A., Central State University; M.A., Southwestern Oklahoma State University; Ed.D., Oklahoma State University  
1997
- Sara Jane Richter, Liberal Arts ..... Professor, English  
B.A., Phillips University; M.A., M.A., Ph.D., Oklahoma State University  
1985
- Justin K. Collins, Science, Mathematics, and Nursing ..... Professor, Biology  
B.S., Oklahoma Panhandle State University; M.S., Ph.D., Oklahoma State University  
1996

# Faculty

## Professors

- Daniel M. Baker ..... Professor, Agronomy  
B.S., M.S., Kansas State University; Ph.D., University of Missouri (Columbia)  
1991
- Peter Camfield ..... Professor, Animal Science, Dean, School of Agriculture  
B.S., Sul Ross State University; M.S., West Texas State University; Ph.D., University of Arkansas  
1996
- Justin K. Collins ..... Professor, Biology, Dean, School of Science, Mathematics, and Nursing  
B.S., Oklahoma Panhandle State University; M.S., Ph.D., Oklahoma State University  
1997
- Diane Mathers Murphey, CDP/CNA ..... Professor, Computer Information Systems, Dean, School of Business and Technology  
Head, Department of Computer Information Systems  
B.S., M.S., Oklahoma State University  
1981
- Sara Jane Richter ..... Professor, English, Dean, School of Liberal Arts  
B.A., Phillips University; M.A., M.A., Ph.D., Oklahoma State University  
1985
- Loyet Shafer ..... Professor, Education  
B.A., M.A., Ph.D., Oklahoma State University  
1998
- R. Wayne Stewart ..... Professor, Education, Dean, School of Education,  
B.A., Central State University; M.A., Southwestern Oklahoma State University; Ed.D., Oklahoma State University  
1997

## Associate Professors

- Arlin James Benjamin, Jr. .... Associate Professor, Psychology  
B.A., M.A., California State University; Ph.D. University of Missouri-Columbia  
2000
- Mindy M. Davis, CPA ..... Associate Professor, Accounting  
B.S., Oklahoma Panhandle State University; M.P.A., West Texas State University  
1980
- Brad L. Duren ..... Associate Professor, History, Head, Department of Behavioral Science  
B.A., Oklahoma City University; M.A., University of Central Oklahoma; Ph.D., Oklahoma State University  
1999
- David Elder ..... Associate Professor, Art  
A.A., Orange County Community College; B.A., M.Ed., Northwestern Oklahoma State University;  
M.F.A., West Texas A & M University

- Russell Allen Guthrie ..... Associate Professor, Speech, Chair, Department of Humanities  
B.A., Spring Hill College; M.A., Auburn University  
1978
- Beverly Meyer ..... Associate Professor, Earth Science  
B.A., Bemidji State University; B.S., St. Cloud State University; M.S., Ph.D., Texas Tech University  
2001
- C. Evelyn Schmidt ..... Associate Professor, Director, Library  
B.S., Northwestern Oklahoma State University; M.L.S., University of North Texas  
1997
- Russell M. Thatcher ..... Associate Professor, Education  
B.A., Indiana Wesleyan University; M.A., Anderson University; M.S., Indiana University;  
Ph.D., Southern Baptist Theological Seminary  
1998
- John Townsend ..... Associate Professor, Agriculture  
B.S., M.S., New Mexico State University; Ph.D., Oklahoma State University  
1997
- Kathleen D. Turner ..... Associate Professor, English; Chair, Department of Communication;  
Faculty Athletic Representative  
B.A., M.A., Ph.D., University of Alabama  
1992

### Assistant Professors

- Curtis N. Bensch ..... Assistant Professor, Agronomy  
B.S., Oklahoma Panhandle State University; M.S., Oklahoma State University; Ph.D., Kansas State University  
2002
- Sharon Brantner ..... Assistant Professor, Accounting  
B.B.A., Oklahoma Panhandle State University; M.B.A., Southwestern Oklahoma State University  
1997
- Joe Breeden ..... Assistant Professor, Computer Information Systems  
B.B.A., Oklahoma Panhandle State University; M.S., University of Phoenix  
2001
- Matthew R. Carter ..... Assistant Professor, Computer Information Systems  
B.A., B.S., Oklahoma Panhandle State University; M.Ed., Texas Tech University  
1993
- David Cole ..... Assistant Professor, Behavioral Science  
B.A., Ph.D., Louisiana State University; M.A., University of Calgary  
2005
- G. Larry Hough ..... Assistant Professor, Industrial Technology, Head, Department of Industrial Technology  
B.S., Oklahoma Panhandle State University; M.S., Oklahoma State University  
1972
- Satish I. Kuriyavar ..... Assistant Professor, Chemistry  
B.S., Bombay University, India, M.S., Pune University, India, Ph.D., Oklahoma State University  
2006

- Shawna Lyle ..... Assistant Professor, Mathematics  
B.S., M.S., Southwestern Oklahoma State University  
1998
- Carolyn McCargish ..... Assistant Professor, Developmental Studies/Education, Director, Developmental Studies  
B.S., M.A., Western New Mexico State University  
2000
- Patrick Maille ..... Assistant Professor, History  
B.A., M.A., Ph.D., Texas Tech University  
2005
- Steve Martin ..... Assistant Professor, Computer Information Systems  
B.B.A., Oklahoma Panhandle State University; M.B.A., Southwestern Oklahoma State University  
1997
- David L. Miller ..... Assistant Professor, Business/Economics  
B.S., Oklahoma State University; M.B.A., Oklahoma City University  
1993
- Jana Peterson ..... Assistant Professor, Mathematics and Business  
B.S., B.S., Oklahoma Panhandle State University; B.S., M.P.H., University of Oklahoma Health and Science Center  
1997
- Aaron Preator ..... Assistant Professor, Animal Science, Head, Department Animal Science, Livestock Judging Coach  
A.S., Northwest College; B.S., M.S., Texas Tech University  
2001
- Matthew Saunders ..... Assistant Professor, Librarian, Resources and Systems  
B.S., M.S., Northwestern Oklahoma State University  
1997
- Elaina Stewart ..... Assistant Professor, Music, Director of Bands  
B.M., University of Cincinnati College; M.M., D.M.A., Ohio State University  
2007
- Daniel Teske ..... Assistant Professor, Mathematics and Physics  
B.S., M.S., University of Wisconsin-Madison, Ph.D., Montana State University  
2006
- Jack Bryon Test ..... Assistant Professor, Art; Chair, Department of Art  
B.A., Southwestern Oklahoma State University; M.A., West Texas A & M University  
1995

### Instructors

- Tito Aznar ..... Visiting Instructor, English  
B.A., Oklahoma Panhandle State University  
2004
- Lynna Brakhage ..... Instructor, Nursing  
B.S.N., West Texas State University; M.S.N., University of Phoenix  
2003
- Heidy Brillhart ..... Instructor, Nursing - OSU/OKC  
B.S.N., Oklahoma Panhandle State University  
2006

**16**

- Michele Cothran ..... Instructor, HPER, Head Coach, Softball  
A.A., Kansas City Community College, B.A., Slippery Rock University, M.Ed., Southwestern Oklahoma State University  
2005
- Sara Green ..... Instructor, Developmental Studies  
B.S., Oklahoma Panhandle State University; M.Ed. Northwestern Oklahoma State University  
2007
- Tracey Gregg-Boothby ..... Instructor, Music  
B.M., Oklahoma State University; M.M., Oklahoma City University  
2001
- Sara Hitch ..... Instructor, Business Administration  
B.A., Oklahoma State University; M.B.A., University of Oklahoma  
2003
- Janet Kravig ..... Instructor, Librarian, Acquisitions  
B.A., Oklahoma Panhandle State University; M.L.I.S., University of North Texas  
2004
- Jason Kueffler ..... Instructor, HPER, Head, Men’s Baseball Coach  
B.S., B.S., M.S., Northern State University  
2004
- Brian Lankford ..... Instructor, Health and Physical Education, Athletic Trainer  
M.S., U.S. Sports Academy  
2005
- C. Thomas Lewis ..... Instructor, English  
B.A., M.A., Oklahoma State University  
1987
- Gerald Mihelic ..... Instructor, Education  
A.A.S., Mid American Christian University; B.A., Southwestern Bible College; M.Ed., Northern Arizona University  
2005
- Wanda Minard ..... Visiting Instructor, Developmental Studies  
B.A., Oklahoma Panhandle State University  
2001
- Vicki Pasque ..... Instructor, Computer Information Systems  
B.B.A., Oklahoma Panhandle State University  
2006
- S. Tenoch Ramon ..... Instructor, Biology  
B.S., Oklahoma Panhandle State University; M.S., West Texas A&M University  
2004
- Darren Randall ..... Instructor, HPER  
B.S., M.Ed. Southwestern Oklahoma State University; M.Ed., Northwestern Oklahoma State University  
2007
- Deanna Seaman ..... Instructor, Behavioral Science  
B.S. University of Southern Colorado; M.S., Capella University  
2002



Brent Shoulders .....	Instructor, Art/Humanities B.A., B.S., B.S., Oklahoma Panhandle State University; M.A., West Texas State University 2000
Linda Shoulders .....	Visiting Instructor, Developmental Studies B.A., Oklahoma Panhandle State University 2005
Daren Stephens .....	Instructor, Agriculture, Director, Firestone Meats Lab B.S., Oklahoma Panhandle State University 2003
Judy Unruh .....	Instructor, Nursing B.S.N., West Texas State University; M.S.N., University of Phoenix 2001
Marc Wilson .....	Instructor, HPER, Assistant Coach, Football B.S. University of Kentucky, M.S., Georgia Southern University 2007
Davin Winger .....	Instructor, Business Administration B.S., Texas Tech University 2007

### Lecturers

Jerry Martin .....	Lecturer, Agriculture B.S., M.S., Ph.D., Oklahoma State University 1967
Jon G. Olsen .....	Lecturer, Industrial Technology B.S., Oklahoma Panhandle State University 1986
Scott Puryear .....	Lecturer, Business Administration, B.A., Upper Iowa University; M.A., Norwich University 1997
Yvonne Sangster .....	Lecturer, Art B.A., Oklahoma Panhandle State University; M.S., West Texas State University 2003
Linda L. Tapp, CPA .....	Lecturer, Accounting B.S., Oklahoma Panhandle State University 1982
Larry Wiggins .....	Lecturer, Art B.A., Oklahoma Panhandle State University 2004

### Adjunct Faculty

- Lori Albright ..... Adjunct Instructor, Nursing, OSU-OKC  
B.S.N., Bethel College  
2006
- Cecil Biggers ..... Adjunct Instructor, Business  
B.A., Hardin-Simmons University; J.D., Texas Tech University  
1996
- Matthew Boley ..... Adjunct Instructor, Law Enforcement  
Goodwell Police Department  
2001
- Sam Collins ..... Adjunct Instructor, Religion and Speech  
B.A., University of Houston; M.A., Abilene Christian University  
1995
- Debbie Colson ..... Adjunct Instructor, English  
M.A., Texas Tech University  
2005
- Sandy Cross ..... Adjunct Instructor, Music  
B.M.E., Phillips University  
2006
- Tracy Curtis ..... Adjunct Instructor, Computer Information Systems  
B.B.A., Oklahoma Panhandle State University  
2005
- Voncille Hale ..... Adjunct Instructor, Developmental Studies  
B.S., B.S., Oklahoma Panhandle State University  
2000
- James Hamous ..... Medical Director, School of Medical Technology, Northwest Texas Hospital and  
Baptist Saint Anthony's Hospital, Amarillo, TX  
MT (ASCP), B.S., M.D., University of Nebraska  
1991
- Hue Helms ..... Adjunct Instructor, Industrial Technology  
B.S., Oklahoma Panhandle State University  
1993
- Linda Huggins ..... Adjunct Instructor, Music  
B.M., Oklahoma Baptist University; M.M., Eastman School of Music  
1997

- Jane Law ..... Adjunct Instructor, Education  
B.S., West Texas State University; M.S., Texas Women’s University  
2000
- Lill Martin-Craig ..... Adjunct Instructor, Nursing  
B.S.N., M.S.N., West Texas State University; F.N.P., Texas Tech University  
2003
- Dwight Odell ..... Adjunct Instructor, Music  
B.A., Oklahoma State University; M.A., West Texas State University  
2001
- DeAnne Parrott ..... Adjunct Instructor, Nursing  
B.S.N., Univeristy of Kansas, M. Ed., Wichita State University, M.S., University of Oklahoma  
2004
- Hubert Peterson ..... Adjunct Instructor, Biology  
B.S., University of Arkansas; M.D., University of Arkansas Medical College  
2001
- Barbara Rogers ..... Program Director, School of Medical Technology, Northwest Texas Hospital, Amarillo, TX  
M.T., ASCP, B.S.O.E., Wayland Baptist University  
1984
- John Sherer ..... Adjunct Instructor, Music  
2000

**Oklahoma State University Agricultural Research and Extension Station Staff**

- Curtis Bensch ..... Director

### Emeritus Faculty

Faculty and administrators who are 65 years of age or over and who retire from Oklahoma Panhandle State University with the rank of Associate or full Professor and who have ten or more years of service may receive the designation of "Emeritus Faculty."

Jack Alexander, 1967 - 1990 .....	Professor, Agronomy
Kathryn Bayless, 1969 - 1990 .....	Associate Professor, Humanities
Joyce Bender, 1993 - 2003 .....	Professor, English
Jerry Butler 1989-2007 .....	Professor, Education
Paul David Driskill, 1976 - 1993 .....	Professor, Education
Russell Edenborough, 1968 - 1996 .....	Dean, School of Business and Technology; Professor of Accounting
Carroll Gribble, 1968 - 1990 .....	Associate Professor, HPER; Director, Financial Aid
Bernice Halliburton, 1966 - 1984 .....	Associate Professor of English
Robert L. Griffin, 1980 - 1991 .....	Vice President, Academic Administration
Jesse R. Hankla, 1976 - 1997 .....	Professor, Music; Dean, School of Liberal Arts
James Hill, 1975 - 2000 .....	Professor, Chemistry
Vernon L. Hopson, 1960 - 1987 .....	Associate Professor, Mathematics; Head, Dept of Mathematics and Physics
Joyce Johnson, 1984 - 1994 .....	Associate Professor, Home Economics
Harold S. Kachel, 1957 - 1990 .....	Professor, Industrial Technology/Education
John W. Lain, 1970 - 1980 .....	Dean, Student Affairs; Director, Financial Aid
Floyd Jay Lark, 1980-2007 .....	Professor, Agriculture Education; Director, Vocational Agriculture Education
Sandra A. Latham, 1972 - 1999 .....	Adjunct Instructor, Biology
Doris M. Looper, 1967 - 1997 .....	Professor, Health, Physical Education and Recreation; Head, Department of HPER
Phil Martin, 1970 - 2000 .....	Associate Professor, Behavioral Science
Jerry J. Martin, 1967 - 1994 .....	Professor, Animal Science and Biology; Dean, School of Agriculture; Manager, Bull Test
Leo B. McMakin, 1965 - 1986 .....	Associate Professor, Industrial Arts
Samuel C. Nelson, 1970 - 2005 .....	Honorary Professor, History and Sociology; Head, Department of Behavioral Science
Thomas L. Palmer, 1971 -1987 .....	President
Raymond A. Peck, 1946 - 1982 .....	Professor, Agronomy; Head, Department of Agronomy
Gerald H. Peters, 1958 - 1975 .....	Professor, Psychology; Director, Counseling and Testing; Chairman, Division of Liberal Arts

- Serafin Ramon, 1959 - 2001 ..... Professor Biology; Dean, School of Science, Mathematics and Nursing
- James H. Roach, 1965 - 1987 ..... Associate Professor, Speech; Head, Department of Speech, Communication, and English;  
Chair, Division of Liberal Arts
- James R. Satterfield, 1980 - 1995 ..... Professor, Education; Dean, School of Education; Head, Department of Education;  
Director, Teacher Education
- Kurt Schaefer, 1965 - 1999 ..... Professor, Biology; Head, Department of Science
- Emma Schultz, 1982 - 1998 ..... Associate Professor, Education
- Robert W. Sexton, 1955-1977 ..... Associate Professor, Music; Director, Bands
- Mayo G. Shults, 1958 - 1983 ..... Associate Professor, Mathematics; Head, Department of Mathematics, Physics
- Elgy J. Smith, 1985 - 1995 ..... Associate Professor, Music
- Patricia Tinch, 1970 - 1997 ..... Professor, Education
- Kenneth Woodward, 1975 - 2000 ..... Professor, Agriculture; Dean, School of Agriculture

## History, Mission, and Functions

OPSU was created by an act of the Oklahoma State Legislature in 1909 as Pan-Handle Agricultural Institute offering secondary agricultural education for the Panhandle area. In 1921, the legislature authorized the school to offer a two-year college curriculum, and the name was changed to Panhandle Agricultural and Mechanical College. In 1925, the State Board of Agriculture authorized upper division college courses, and in the summer of 1926, junior and senior level courses were added to the curriculum. Two additional name changes have been ordered by the legislature: in 1967, Oklahoma Panhandle State College of Agriculture and Applied Science; in 1974, Oklahoma Panhandle State University.

OPSU is a baccalaureate degree granting institution. General governance of the institution is in the hands of the Board of Regents for the Oklahoma Agricultural and Mechanical Colleges. Academic programs and financial support are authorized and coordinated through the Oklahoma State Regents for Higher Education.

The mission of OPSU is to provide higher education primarily for people of the Oklahoma Panhandle and surrounding areas through academic programs, cultural enrichment, life-long learning experiences, and public service activities. Educational experiences are designed to enrich the personal lives of students and to prepare them for roles in agriculture, business, education, government, and industry.

OPSU is organized into five academic schools: Agriculture; Business and Technology; Education; Liberal Arts; and Science, Mathematics, and Nursing. To implement its mission within the academic schools and administrative structure, the University

- accepts people with diverse educational backgrounds;
- provides, through the institution's general education program, academic experiences in liberal arts and sciences;
- provides a variety of academic programs leading to associate and baccalaureate degrees;
- provides professional teacher education programs at the baccalaureate level;
- provides pre-professional education in selected fields;
- provides life-long learning experiences designed to meet the individual's personal, vocational, and leisure-time needs;
- provides public service through academic, agricultural, cultural, and social events;
- strives to enrich its students' lives educationally, personally, and socially;
- assesses all programs, experiences, and activities to ensure that student learning occurs;
- expects faculty to remain active in their fields of study. This may be accomplished by pursuing advanced courses or degrees, continuing education, research or obtaining special license or certification. Faculty are encouraged to attend and make presentations at professional meetings.

## Instructional Administrative Organization

For the convenience of administration, the schools and departments of the University are grouped as follows:

### School of Agriculture

- ***Department of Agriculture***  
Bachelor of Science in Agribusiness  
Bachelor of Science in Agriculture Education  
Associate of Applied Science in Farm and Ranch  
Management  
Associate of Science in Agriculture
- ***Department of Agronomy***  
Bachelor of Science in Agronomy
- ***Department of Animal Science***  
Bachelor of Science in Animal Science  
Bachelor of Science in Equine Science

### School of Business and Technology

- Department of Accounting***  
Bachelor of Business Administration in Accounting
- ***Department of Business Administration***  
Bachelor of Business Administration  
Bachelor of Business Administration in Business  
Education
- ***Department of Computer Information Systems***  
Bachelor of Business Administration in Computer  
Information Systems  
Associate of Science in Business Administration
- ***Department of Industrial Technology***  
Bachelor of Industrial Technology  
Bachelor of Technology  
Associate of Applied Science in Technology

### School of Education

- ***Department of Education***  
Bachelor of Science in Elementary Education
- ***Department of Health and Physical Education***  
Bachelor of Science in Health and Physical Education

### School of Liberal Arts

- Associate of Arts in General Studies
- ***Department of Behavioral and Social Science***  
Bachelor of Arts in History  
Bachelor of Science in Psychology  
Bachelor of Arts in Social Studies
- ***Department of Communication and English***  
Bachelor of Arts in English  
Bachelor of Arts in Spanish
- ***Department of Fine Arts***  
Bachelor of Fine Arts
- ***Department of Music***  
Bachelor of Music

### School of Science, Mathematics, and Nursing

- Associate of Science in General Studies
- ***Department of Science***  
Bachelor of Science in Biology  
Bachelor of Science in Chemistry  
Bachelor of Science in Physical Science
- ***Department of Mathematics and Physics***  
Bachelor of Science in Mathematics
- ***Department of Nursing***  
Bachelor of Science in Nursing

## General Information

### The University

OPSU is accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools. The University is an institutional member of the American Association of Colleges for Teacher Education and the Oklahoma System of Higher Education. It is approved by the Oklahoma State Board of Education for the preparation of elementary and secondary teachers. OPSU prides itself in adhering to the Drug-Free Work Place Act of 1988.

### Location

OPSU is located at Goodwell, Texas County, in the central part of the Oklahoma Panhandle, approximately two hundred and seventy-five miles northwest of Oklahoma City. Major airline service is available through Amarillo, Texas (120 miles south of Goodwell).

The elevation of the campus -3,306 feet above sea level- provides a healthful climate and particularly cool summers. The territory surrounding Goodwell is well known for the production of wheat, feed grains, livestock, and underground natural gas.

The University is within easy driving distance of historical and scenic sites in Oklahoma and surrounding states. The ski slopes of New Mexico and Colorado are less than a half day's drive from the campus. Water skiing and fishing spots are within easy driving distance from Goodwell. The region abounds in hunting opportunities.

### The University Year

The University year includes two semesters of sixteen weeks and a summer session of eight weeks. Interterm sessions of two weeks in January, May, or August may be scheduled.

### Grounds and Buildings

The University occupies an attractively landscaped 120-acre tract in the western part of Goodwell. Campus facilities include the following:

Carl Wooten Field	Carter Hall (Industrial Ed, Technology, Business, & Computer Science)
England Activity Center	Firestone Meat Laboratory
Golf Course	Hamilton Hall (Education, English, Earth Science, Social Studies, Mathematics, & Foreign Language)
Haynes Power Plant	Hesper Hall (Art, Nursing)
Hefley Hall (Science)	Married Student Apartments
Hughes Strong Hall (English, Music, Speech)	Marvin E. McKee Library
Metal Shop Building	Muller Hall (Public Relations)
New Student Apartments	No Man's Land Historical Museum
Noble Activity Center	Oscar Williams Fieldhouse
Physical Plant Building	President's Home
Residence Halls: Field Hall, Holter Hall	
Student Union	
Tennis Courts	

The University also maintains houses and apartments for the use of its faculty and staff members. The University farm, composed of a 1200-acre range unit and 960-acre tract of land one mile southeast of the campus and is maintained and operated as a livestock and crops laboratory. A major portion of the farm land is under irrigation with four wells on the premises. The Student Union building houses the University cafeteria, Aggie Grille (snack bar), ballroom, bookstore, commuter lounge, and offices for the Student Senate, Health Clinic, and Director of Hispanic Student Activities.



## Library

The Marvin E. McKee Library provides print and non-print materials and the latest in technology, including electronic resources for students, faculty and staff of OPSU. Library technology capabilities include Internet access, 40 electronic databases providing book and periodical references; 33,000 netLibrary electronic books; and word processing terminals. 24-7 remote access is provided for most online resources. McKee Library and nine members in the Oklahoma State University A & M library system share the Endeavor Voyager integrated library automation system. The McKee Library online catalog is web-based and can be referenced on any computer terminal with Internet connection at <http://opsu.library.okstate.edu>.

Open 70 hours each week, the library houses an open-stacked materials collection is arranged to increase accessibility for the user. The collection consists of books, periodicals, and non-print materials such as DVD's, CD-ROM, video cassette recordings, audio books on CD and cassette, and microfilm. Equipment necessary to use these materials is available in the library for use by students and may be checked out by faculty and staff.

The Reference Collection contains numerous volumes of encyclopedias, dictionaries, indices, handbooks, bibliographies and other key reference tools necessary for research. Reference materials are used "in-library" and are always available to patrons. McKee Library is also a State Publications Depository Library, housing Oklahoma State documents.

As one of the eight Congressional District Review Centers for Oklahoma Public School Textbook Adoption, McKee Library provides area educators with the opportunity to examine the latest subject area materials being considered for adoption by Oklahoma public school systems. The Oklahoma State Department of Education, publishers of textbook materials, and McKee Library established the center through a cooperative effort. The resulting extensive Curriculum Collection provides resource materials for instructors and students in the School of Education.

The Periodical Collection is under constant revision and includes both curriculum-oriented and recreational reading materials. Older issues of publications are available in either bound or microfilm formats. Online and print indices increase the effective use of the periodicals, and equipment is available for paper duplication from microfilm, online, and print materials. Campus-wide and remote access to full-text periodical titles is available through online subscription databases. Internet sites from Oklahoma Department of Libraries offer EBSCOhost and First Search research tools.

The Youth Collection consists of a wide spectrum of children's and young adult books including picture books, easy reading books, intermediate level books, and crossover books, which may be appreciated by senior high school students and adults. Separate collections include Newberry Medal Books, Caldecott Medal Books, and Sequoyah Medal and Honor Books. The reference section in Youth Room houses works about children's authors and illustrators and bibliographies reviewing children's literature.

Interlibrary Loan (ILL) Services are available for McKee Library students, faculty, staff, and card borrowers. Through membership to Online Computer Library Center (OCLC), Docline and other loan services, materials which are not part of the McKee Library Collection may be borrowed. McKee Library also participates in the OK Share Card which provides access to other Oklahoma college and university libraries for OPSU students, staff, and faculty. Current Panhandle State Association of Friends and Alumni members may receive a free McKee Library card

Professional librarians and staff are available to help patrons locate, identify, and access library resources. Class instruction visits are scheduled to provide basic and advanced research instruction and awareness of McKee Library's expanding resources.

The Archive and Special Collections include materials about OPSU, the Oklahoma Panhandle, and the geographic and economic trade area.

## Intercollegiate Athletic Program

The primary purpose of the intercollegiate athletic program is to develop desirable physical, mental, and character traits in those who participate and to train athletic coaches and physical education teachers for the public schools. The athletic program is administered by faculty members of the Department of Health, Physical Education and Recreation; the Athletic Committee; and the Athletic Director.

## Sexual Harassment

OPSU explicitly condemns sexual harassment of students, staff and faculty. Because some members of the university community hold positions of authority that may involve the legitimate exercise of power over others, it is their responsibility to be sensitive to that power. The University is committed to providing an environment of study and work free from sexual harassment and to insuring the accessibility of appropriate grievance procedures for addressing all complaints regarding sexual harassment. To proceed with such grievance, contact the Affirmative Action Officer located in Sewell-Loofbourrow 125.

## Publications

**Newspaper** - The Collegian is the official student newspaper of OPSU. It is edited and published by students under the supervision of an advisor.

**Student Handbook** - A student handbook is published and distributed among students to acquaint them with the campus, University traditions, and regulations in order to aid them in adjusting to university life.

**General Catalog** - The General Catalog is revised and published to provide general information to students, faculty, and staff.

**News Releases** - News releases reporting student events and University activities of interest to the general public are submitted to newspapers, radio stations, news bureaus, and television stations.



*Head Cashier Joyce Short helps students confirm classes.*

## FEES

### Educational Costs FALL 2007

(Costs listed are those in effect at the time of publication and are subject to change annually.)  
 pch=per credit hour; ps=per semester; pc=per course

#### Tuition

Residents of Oklahoma (pch) .....	\$83.00
*Non-Residents of Oklahoma--Net (pch) .....	\$83.00
International Students (pch) .....	\$247.00
<i>*The following illustrates how non-resident tuition is computed using the 100% out-of-state tuition waiver.</i>	
In state tuition .....	\$83.00
Out of state tuition .....	\$163.00
Total .....	\$247.00
Less 100% out-of-state tuition waiver .....	-\$163.00
<b>Total out of state tuition .....</b>	<b>\$83.00</b>

#### General Fees

Activity Fee (pch) .....	\$6.50
Academic Records Fee (ps) .....	\$2.00
†Communications Fee (ps) .....	\$10.00
†Cultural and Recreation Fee (pch) .....	\$1.00
†Health Services Fee (ps) .....	\$25.00
<i>†Fees will be prorated for students enrolled in 9 hours or less.</i>	
International Students Maintenance Fee (ps) .....	\$15.00
Library Fee (pch) .....	\$2.00
Other Mandatory Fee--Energy (pch) .....	\$1.00
Parking Decal Fee .....	\$6.00/\$1.00
\$6.00--Initial decal; \$1.00--Each additional decal	
Student Assessment Fee (pch) .....	\$1.00
Student I.D. Card and Services (ps) .....	\$5.00
Replacement I.D. ....	\$10.00
Student Government Fee (pch) .....	\$1.00
Student Union Fees (pch) .....	\$4.00
**Special Academic Service Fees (pch) .....	\$17.50
<i>**applies to all non-resident students as well as all newly enrolled students including students that have not had continuous enrollment prior to the Fall of 2005.</i>	
Technology Fee (pch) .....	\$6.00
Yearbook Fee (Annually) .....	\$40.00

#### Special Service Charges

Audit (without credit)	
Residents of Oklahoma (pch) .....	\$83.00
Non-Residents of Oklahoma - Net (with 100% out-of-state waiver; see above) (pch) .....	\$83.00
ACT Residual Test Fee .....	\$30.00
CLEP Fee .....	\$80.00
Departmental Examinations (where available) (pch) .....	\$15.00
Developmental Course Fee (pch) .....	\$25.00
Graduation Fee .....	\$20.00
Online Class Charge (pc) .....	\$100.00
Private Music Lessons (pch) .....	\$40.00

#### Textbooks

Textbook Rental (pch) .....	\$8.00
Textbook Purchase .....	Bookstore Price

**Special Instruction Fees**

Agmn 2124 Agronomy Fee (ps) .....	\$5.00
Ansi 2213 Meat Cutting Fee (ps) .....	25.00
Ansi 2442 Artificial Insemination Fee (ps) .....	30.00
Ansi 3333 Animal Science Meats Fee (ps) .....	40.00
Art 1123 Photography Fee (ps) .....	60.00
Art 2243 Design Fee (ps) .....	40.00
Art 2323 Art Workshop Fee (ps) .....	50.00
Art 2533 Ceramics Fee (ps) .....	60.00
Art 2543 Ceramics Fee (ps) .....	60.00
Art 2633 Photography II Fee (ps) .....	60.00
Art 2853 Painting Fee (ps) .....	60.00
Art 2933 Painting Fee (ps) .....	60.00
Art 3153 Modeling Fee (pc) .....	45.00
Art 3163 Modeling Fee (pc) .....	45.00
Art 3333 Sculpture Fee (ps) .....	50.00
Art 3343 Sculpture Fee (ps) .....	50.00
Art 3423 Painting Fee (ps) .....	60.00
Art 3543 Painting Fee (ps) .....	60.00
Art 3563 Ceramics Fee (ps) .....	70.00
Art 3613 Jewelry Fee (ps) .....	50.00
Art 4000 Art Problems Fee (ps) .....	60.00
Art 4013 Painting Fee (ps) .....	60.00
Art 4423 Painting Fee (ps) .....	60.00
Art 4563 Ceramics Fee (ps) .....	70.00
Biol 1304 Principles of Biology I Fee (pch) .....	3.00
Biol 2065 Comparative Anatomy Fee (pch) .....	5.00
Biol 2104 Human Anatomy Fee (pch) .....	5.00
Biol 2124 Microbiology Fee (pch) .....	5.00
Biol 3054 Entomology Fee (pch) .....	3.00
Biol 3205 Human Physiology Fee (pch) .....	5.00
Biol 3224 Animal Parasitology Fee (pch) .....	4.00
Biol 3504 Immunology Fee (pch) .....	5.00
Biol 4455 Histology Fee (pch) .....	5.00
Chem 1135 General Chemistry Fee (pch) .....	4.00
Chem 2235 General Chemistry II Fee (pch) .....	3.00
Chem 3025 Quantitative Analysis Fee (pch) .....	4.00
Chem 3315 Organic Chemistry I Fee (pch) .....	4.00
Chem 3325 Organic Chemistry II Fee (pch) .....	4.00
Chem 3515 Physical Chemistry I Fee (pch) .....	5.00
Chem 3525 Physical Chemistry II Fee (pch) .....	5.00
Easc 1014 Earth Science Fee (pch) .....	4.00
Easc 1214 Physical Geography Fee (pch) .....	3.00
Easc 2114 History of Life Fee (pch) .....	4.00
Easc 3014 Astronomy Fee (pch) .....	5.00
Equi 1104 Introduction to Horsemanship Fee (pc) .....	20.00
Equi 1123 Equine Fee (pc) .....	25.00
Equi 1132 Equine Fee (pc) .....	25.00
Equi 1223 Equine Fee (pc) .....	25.00
Equi 1404 Basic Farrier Science Training Fee (pch) .....	5.00

Equi 2003 Equine Fee (pc) .....	25.00
Equi 2124 Intermediate Farrier Science Fee (pch) .....	5.00
Equi 3124 Advanced Farrier Science Fee (pch) .....	5.00
Equi 3644 Horse Science Fee (pch) .....	5.00
Equi 4003 Equine Fee (pc) .....	25.00
Equi 4103 Equine Fee (pc) .....	25.00
Hper 2001 Fitness Activity course Fee (pc) .....	20.00
Phys 1011 Physics Lab Fee (pch) .....	3.00



*OPSU Education students decorate and educate with bulletin boards in Hamilton Hall.*

**Residential Costs for 2007-2008 may be obtained by contacting the Student Affairs Office, 580-349-1460 or visit the Housing Office located in Sewell Loofbourrow Hall, Room 126.**

**Cafeteria Plans** (ps)

*5 meal plan .....	\$570.00
10 meal plan .....	\$1040.00
15 meal plan .....	\$1150.00
20 meal plan .....	\$1200.00

\*Available only to students residing in the New Student Apartments or those purchasing only a meal plan and no housing.

**Prices subject to change without notice.**

**Refunds: Complete Withdrawal**

There will be a 100% refund of tuition and fees through the 10th day of the term.

**Refunds: Dropping Individual Courses**

There will be a \$1.00 charge for each class change. A refund of 100% will be made for dropping a class through the 10th class day.

**Refunds: Room and Board**

Room and board refunds are described in the campus housing contract.

**Student Accounts**

A 10% payment of the students **total** bill is required upon enrollment to confirm classes. Remaining balances are due upon the first day of the semester. Any student account that remains unpaid at the end of the semester and is not paid within thirty (30) days may be turned over to an outside collections agency for assistance in collecting. A collection cost will be added to the amount owed by the student to cover the collection agency costs.

**Financial Clearance**

Students may be denied registration privileges and housing applications if a balance is owed the university. Those with a balance must receive financial clearance from the Comptroller or the Director of High School and Community Relations. No students will be granted a diploma, academic transcript or financial aid transcript until financial obligations to the university have been satisfied. Delinquent bills for any recognized campus organization may result in withholding a student's transcript, diploma or registration.

## Living Accommodations

### Campus Housing for Single Students

Rooms and meal plans are contracted by the school year. First-time entering freshmen are required to live in on-campus housing with the following exceptions:

- Those who commute from their parents'/guardians' home;
- Those who are married;
- Those who have had their twenty-first birthday by the first day of a given semester;
- Those who have their children living with them;
- Those who have been in the military service (whose DD214 indicates that they had at least 180 days of continuous, full-time military active duty).

The main objective of campus housing is to provide an atmosphere of living consistent with and conducive to the best academic achievement. The University believes that experience in group living is an important part of the development of the mature person and that the self-discipline inherent in living with others is wholesome. Each type of campus housing has a council which sets the pattern of living and sponsors a program of social and recreational events.

Although the rooms are comfortably furnished, each student must provide his/her own linens, bed covers, pillows, curtains, and rugs.

All applicants for campus housing must complete and file an application with a \$20.00 non-refundable application fee. Resident Hall applicants are required to pay \$100 as advanced payment applied to the total room and board charges. Those living in the new student apartments are required to pay a \$150.00 deposit.

Rooms open prior to the first day of enrollment. Occupants with special needs may move in prior to this time with written permission from the Student Affairs Office.

The cafeteria and some campus housing may not be open during official college vacations such as fall break, Labor Day, Thanksgiving, Christmas, semester breaks, Martin Luther King, Jr., Day, spring break, Easter, Fourth of July, and Memorial Day.

All students residing in dormitory housing will be required to purchase a meal ticket from the University cafeteria. One of two meal plans will be selected. (This does not apply to summer sessions.)

### Campus Housing for Married Students

Married students may rent unfurnished apartments on campus. Married student apartments are rented to the husband and wife and their natural or legally adopted children. For anyone else to live in the same apartment, occupants must have the permission of the Student Affairs Office. An additional charge per person per month will be made to the family renting the apartment. The Oklahoma State Agriculture and Mechanical Board of Regents establishes rent charges. The renting family will be notified of the charge at the time permission is given. For current information regarding the charges for student apartments, please contact the Student Affairs Office, Sewell-Loofbourrow 126.

## Community Services and Resources

The University contributes to the improvement of the quality of life in its service area. Some of the agencies and resources used in fulfilling this responsibility are discussed in this section.

### **The Oklahoma Panhandle Research and Extension Center**

The Oklahoma Panhandle Research and Extension Center (OPREC) is devoted specifically to the solution of agriculture problems unique to the High Plains. The work of the center is essentially a public service designed to save the farmer and rancher the expense of private experimentation in the field, range, and feedlot. The center undertakes the collection of such fundamental information as may be required for the safeguarding and efficient utilization of natural resources. Research data are used in regular classes, in short courses for farmers and ranchers, by the press, and by various farm organizations. Information is always available to the public in the form of bulletins, and lectures, or replies to individual inquiries. The OPREC is a cooperative effort involving OPSU and Oklahoma State University and is an integral part of the Oklahoma Agricultural Experiment Station.

Feedlot research facilities and equipment are available for research in livestock nutrition. An emphasis is placed on developing and carrying out cooperative research projects involving the School of Agriculture, the Oklahoma Agriculture Experiment Station, area feedlots, and private agricultural industries.

### **The University Farm**

The University Farm -- composed of a 30-acre plot directly west of campus, a 960-acre tract of land one mile southeast of the campus, and a 1,200-acre range unit -- is maintained and operated as a livestock and crops laboratory. A portion of the farm land is under irrigation, serving a cooperative agreement with Oklahoma State University. Various grain and forage crops are produced and used to maintain livestock operations including beef cattle, swine, sheep, and horses. The production units are used extensively as hands-on laboratory units for courses in agriculture and beef cattle research including nutrition research. A modern, federally inspected meat processing unit is used as a laboratory for animal science courses and for slaughtering and processing meat animals.

New and approved practices of crop and livestock production and management are employed. Agriculture majors who accept student employment on the farm have an opportunity to acquire practical experience in the various phases of agriculture.

### **The No Man's Land Historical Museum**

The No Man's Land Historical Museum was founded in 1932 with the Panhandle Museum Club, a student organization, as its sponsor. In October 1934, the museum was formally adopted by the No Man's Land Historical Society as the official museum of the society.

The museum building belongs to the people of the High Plains in the sense that it was made possible through their donations, augmented by appropriations of the State Legislature to the State Planning and Resources Board. The building is well-appointed and specifically designed to provide for the collection, preservation, and exhibition of materials relating to the history of the Panhandle region. It is open to the public and widely used by public school groups, individuals, and organizations.

### **Panhandle State Association of Alumni and Friends**

The Panhandle State Association of Alumni and Friends is an organization composed of graduates, former students, faculty and friends of OPSU. Its purpose is to support OPSU through activities designed to keep alumni and friends involved with one another and the university.



Notable association projects have included the stone Plainsman sign at the university entrance, the clock tower in the plaza, and the solarium addition to the Student Union. The Panhandle State Association provides ongoing scholarship and financial support through its Panhandle State Foundation.

### **Panhandle State Foundation**

The Panhandle State Foundation is a nonprofit corporation whose purpose and objective is to support OPSU beyond the scope provided by public revenue.

The foundation makes an annual commitment to the University's general scholarship fund and administers many specific scholarship funds listed in the scholarship section of this catalog.

### **Continuing Education (CE)**

OPSU has been developing a program directed toward the needs of nontraditional students since 1978. Continuing Education (CE) was formerly known as Adult and Continuing Education. The change was made during the Fall 2004 semester. CE is not limited to assisting adults, but also provides workshops and short courses for children as well. CE provides an opportunity for individuals seeking to improve existing skills or to learn new skills. There are also online courses for those who are unable to attend on-campus courses. Since 2001, the department has offered a wide variety of courses and has continued to expand. The program offers certificates of completion, certified Microsoft office testing, and has collaborated with other companies for course offerings. The different categories of on-campus courses have expanded covering many areas in: computers, business, recreational, languages, and much more. With the opening of the Guymon Classroom, Continuing Education facilitates many types of classes. Additionally, anyone interested in applying to OPSU online may utilize the computer lab in the Guymon Classroom.

#### **CE offers the following types of classes:**

Night Classes  
Certificate of Completion  
Online Classes

- **Night Classes**

A variety of night courses is offered every semester for non-traditional students. Courses are offered in the following categories:

Administrative Program	Business	Recreational courses
Computer	Languages	Tours
Writing	Legal Courses	Citizenship
Real Estate		

- **Online**

CE now offers over 340 online courses through Ed2Go. These courses can be taken at the students' convenience in their homes. Courses fall into the following categories:

Basic Computer Literacy	Desktop Publishing and Imaging
Computer Applications	Computer Troubleshooting & Networking
Computer Programming and Database Management	Test Preparation
Personal and Career Development	Palm Pilot and Pocket PC
Management	Digital Photography and Digital Video
Certification Prep	Languages
Writing Courses	Personal Finance and Wealth Building
Entertainment Industry Careers	Grant Writing and Non-Profit Management
Family & Personal Enrichment	Business Planning and Entrepreneurial Courses
Child Care and Parenting	Sales and Marketing
Art, History, Psychology, and Literature	Law and Legal Careers
Accounting	Math, Philosophy, and Science
Courses in Spanish	Courses for Teaching Professionals
The Internet	Health Care Professional Courses
Web Page Design	Design and New Media Certificate Programs
Web Graphics and Multimedia	Business Administration and Management
Web Programming	

For more information, please contact:

Conseulo Luera, Director  
 Continuing Education  
 Guymon Classroom  
 304 NW 5th St.  
 Guymon, OK 73942  
 Phone: (580) 338-1380  
 Fax: (580) 338-1321  
 Email: [consuelo@opsu.edu](mailto:consuelo@opsu.edu)

**The Student Union Building**

The Student Union houses the university cafeteria, Aggie Grille (snack bar), ballroom, bookstore, conference room, commuter lounge, and offices for the Student Senate, Hispanic Student Services, Student Activities, and the Student Health Clinic. Groups are encouraged to use the facilities of the Student Union. Reservations may be made through the Events Coordinator at (580) 349-1362.

**Vocational Rehabilitation Services**

The Oklahoma Department of Rehabilitation Services works closely with the University and provides vocational rehabilitation services to qualified students with disabilities. Services are varied and individualized, according to each student's need. The main focus is to assist the student in preparing for employment. Additional information may be obtained directly from the Vocational Rehabilitation Office, 508 N. Roosevelt St., Guymon, OK (580-338-2043).

**Other Services**

Communities in the High Plains area look to the University for various services. The University furnishes speakers for commencement exercises, dinner and service clubs, church meetings, and other events. All student-related activities including athletic events, musical programs, and plays are open to the public. The services of the Marvin E. McKee Library are also available to the public. University personnel administer the American College Test (ACT), the National Teacher Examination (NTE), the Miller Analogy Test (MAT), the Pre-Professional Skills Test (PPST), and the College Level Examination Program (CLEP).



*Area high school students gather for the Hispanic Leadership Conference held annually on the campus of OPSU.*

## STUDENT SERVICES

### **Student Orientation**

Freshmen students must enroll in Education 1111 - Student Success Seminar during their first semester at OPSU.

### **Academic Advising**

A new student, freshman or transfer, is assigned by admissions to an official faculty advisor who assists the student with his or her course selection, helps develop a long-range academic plan for the student, and provides advice and support to ensure the student's success in college.

### **Counseling, Career Services, and Testing Center**

The Counseling, Career Services, and Testing Center is located in Hamilton Hall 141 and is open Monday through Friday from 8:00 a.m. - 4:30 p.m.

#### **Counseling Services**

A professional counselor provides support for students. Confidentiality is of utmost importance. When necessary, referrals will be made to appropriate off-campus agencies. Information on a broad range of personal issues such as test anxiety, study skills, depression, alcohol, family issues, and personal relationships can be obtained here.

#### **Career Services**

The career services center provides assistance with career choices and academic major exploration. Career exploration focuses on an individual's interests, abilities, experiences, and work values in order to develop an effective career plan and select an appropriate academic major. The placement aspect provides assistance with resumé preparation, interviewing skills, credential file services, and internship and graduate school searches for students anticipating graduation. The Aggie Job Board with current on and off-campus employment openings is posted by the center. Also, employment opportunities for graduating seniors are made available in the center. All job listings are current and can be accessed on the OPSU Website at [www.opsu.edu](http://www.opsu.edu).

#### **Testing**

First time entering freshmen must participate in the ACT or SAT testing programs. Registration materials for those tests and test information are available in the testing center. Those students who earn a score lower than 19 in any subject area of the ACT must take the College Placement Tests (CPT) for that subject. The testing center administers the CPTs used to determine course placement.

Students may accelerate their academic programs by successfully completing CLEP examinations which are given by appointment. Students receive credit via CLEP by passing selected "Subject Examinations." The testing center administers the MAT, and HESI-Nursing Exam and has registration packets for other national testing programs.

### College Level Examination Program (CLEP)

OPSU offers college credit for specific subjects through the College Level Examination Program (CLEP). CLEP exams are given nationwide and are sent off campus for grading. The total cost for a CLEP exam is \$80.00 (\$15.00 administration fee plus a \$65.00 CLEP fee). To make arrangements to take a CLEP exam and determine cost, contact the Counseling, Career Services, and Testing Center, Hamilton Hall 141.

<i>CLEP Test Title</i>	<i>OPSU Course Equivalent</i>	<i>Hours Granted</i>	<i>Written ACE Scores</i>	<i>Computer Scores</i>
American Government	POLS 1013	3	47	50
American History I	HIST 1313	3	47	50
American History II	HIST 1323	3	46	50
American Literature	ENGL 3173/3183	3/3 (6 hours total granted)	46	50
Analysis and Interpretation of Literature	ENGL 2413	3	49	50
College Algebra	MATH 1513	3	46	50
Freshman College Composition**	ENGL 1113	3	44	50
College Spanish	SPAN 1114	4	45	50
Information Systems and Computer Applications	CIS 1113	3	52	50
Educational Psychology*	EDUC 4313	3	47	50
English Literature	ENGL 3143/3153/3163	3/3 (6 hours total granted)	46	50
Principles of Biology I	BIOL 1304	4	46	50
General Chemistry	CHEM 1135	5	47	50
Introductory Psychology	PSYC 1113	3	47	50
Human Growth and Development*	PSYC 3213	3	45	50
Introductory Business Law	BADM 3123	3	51	50
Principles of Management	MNGT 3813	3	46	50
Introductory Accounting	ACCT 2103/2203	3/3 (6 hours total granted)	47	50
Principles of Macro-Economics	BADM/ECON 2113	3	44	50
Principles of Micro-Economics	BADM/ECON 2123	3	41	50
Principles of Marketing	MKTG 3913	3	50	50
Introductory Sociology	SOC 1113	3	47	50
Trigonometry	MATH 1613	3	50	50
Western Civilization I	HIST 2213	3	46	50
Western Civilization II	HIST 2223	3	47	50

\* No Testing Allowed for Professional Education

\*\* Essay portion is scored locally and must be passed separately.

**As approved by the Academic Council on April 19, 2000, with an effective date of April 19, 2000. Modified for Computer Scoring in Fall 2001.**

Source for written ACE Scores: Guide to Educational Credit by Examination, 2000 Edition.

**Disability Accommodation Policy**

OPSU will reasonably accommodate otherwise qualified individuals with disabilities unless such accommodation poses undue hardships, resulting in a fundamental alteration in the nature of the service, program, or activity or in undue financial or administrative burdens. The term “reasonable accommodation” is used in its general sense in this policy to apply to employees, students, and visitors. Student requests for reasonable academic accommodation (i.e. learning disability) and requests for physical accommodations (i.e. mobility, vision, hearing) are to be addressed in writing to the Director of Counseling, Hamilton Hall 141.

Prior to the beginning of *each* semester of enrollment (by August 1 for the fall semester; January 1 for the spring semester; May 15 for the summer semester), a student must self identify as an individual with a disability. The student must request accommodations from the Director of Counseling and provide the director with appropriate documentation to substantiate the disability claim. After appropriate evaluation by the Reasonable Accommodations Committee, accommodations will be offered and, upon acceptance by the student, an agreement for such accommodation will be articulated between OPSU and the student. The Director of Counseling will then record the required accommodations in a memo to instructors as requested by the student. All documentation is confidential; therefore, any information pertaining to a student can be released only at the student’s request.

Individuals who have complaints alleging discrimination based upon disability may file those complaints with the University’s Affirmative Action Officer (Vice President for Academic Affairs, Sewell-Loofbourrow 138) in accordance with prevailing University discrimination grievance procedures.

**Extracurricular Learning Credit**

Students may accelerate their academic programs by successfully passing selected extracurricular examinations. Currently, the University recognizes CLEP (subject exams), APP (Advanced Placement Program), ACT PEP (American College Testing Proficiency Examination Program), and departmental testing for credit by examination. Credit from extracurricular testing will be placed on the student’s transcript when 12 resident hours have been completed successfully. The number of hours allowed is dependent on the requirements of the department in which the student majors, the certification sought, and the residence requirements of the University. An equivalent course must be offered by the University for the student to receive credit by extracurricular means. All extracurricular credits reflect a grade of “P”; no record is kept of unsuccessful attempts on extracurricular examinations. Extracurricular hours acquired by CLEP and departmental testing at OPSU may be used as residence hours if approved by the student’s advisor and dean of the school with oversight of the subject area.

**College Board Advanced Placement Program (APP)**

Students scoring at a level of three or higher on the APP examination will be granted appropriate credit for courses offered at OPSU.

**Credit for Training in Armed Forces**

Credit for military service training and experience is evaluated in terms of college credit according to the recommendations of the American Council on Education (ACE). Each military service provides a transcript type form with ACE credit hour recommendations. These forms must be obtained by the student through the applicable service agency. See the Office of the Registrar for more information. Military credits will be entered on the student’s record once the student has completed 12 credit hours at OPSU.

**Departmental Examinations**

Students may apply to departments where CLEP examinations are not available to challenge a course for credit. Cost for such exams is \$5.00 per semester credit hour.

**Credit for Training at Non-Accredited Institutions**

Credit may be granted for collegiate level work transferred from schools not accredited by a regional accrediting association. Such work is granted based upon a course-by-course equivalency evaluation against courses offered at OPSU. A maximum of six semester hours in religion may be granted.

**Health Services**

The University maintains a nurse-run Student Health Service (Student Union, Room 2). Services are available for all students. Most services are provided to students free of charge. However, OPSU charges a minimal fee for the following services:

- Birth control pills (with a prescription)
- Pregnancy testing
- TB skin testing
- Urinary Tract Infection Testing
- Hepatitis B injections
- Flu shots (when available)
- Antibiotics (limited - with a prescription)
- Glucose monitoring
- Immunizations for travel
- STD Referrals

The clinic is used for minor emergency care, with referral to a physician of the student's choice or the consulting college physician. Major emergency care will be referred to Memorial Hospital of Texas County in Guymon, OK. The Goodwell Ambulance Service will transport major emergencies to the hospital.

OPSU hopes to serve students with a minimum of lost time from classes and to cut students' expenses resulting from illness and injury.

**University Bookstore -- Unique to Oklahoma**

OPSU students pay a general fee which covers the rental of many basic textbooks. Students are responsible for the care of the books and for the books' return at the close of each semester. If textbooks are damaged or not returned by the last day of the semester, the student will be charged the full replacement cost for the books. Some specialized textbooks are not available by rental and must be purchased by the student. Supplies, study aids, laboratory manuals, gifts, cards, holiday items, and clothing are available for purchase in the store as well.

## Financial Aid to Students

OPSU recognizes that the cost of a college education is a heavy financial burden on most families; therefore, the University makes a concerted effort to assist in meeting the financial needs of its students in order that they might receive the education they desire. OPSU participates in the following federal and state student financial aid programs: Federal Pell Grant, Federal Supplemental Education Opportunity Grant, Federal Family Educational Loan Program, Federal Perkins Loan, Federal Plus Loan, and Federal College Work Study, and Oklahoma Tuition Aid Grant.

The information contained in this General Catalog should assist students in their financial planning for attending OPSU. Students and/or their parents are invited to discuss any questions or concerns at the Office of Financial Aid, Sewell- Loofbourrow Hall 106 and 115.

Student financial aid generally consists of scholarships, grants, loans, and jobs made available to students by the University. The basic philosophy governing student financial aid is based upon the principles and practices listed below:

- The purpose of student financial aid is to provide monetary support to students.
- Parents are expected to contribute to their children's education according to their means, taking into account their incomes, assets, number of dependents, and other relevant information. Students themselves are expected to contribute from their own assets and earnings, including appropriate borrowing against future income.
- Student financial aid is offered to an applicant only after it has been determined that the resources of the family and/or student are insufficient to meet the student's educational expenses. The amount of assistance offered will not exceed the amount needed to meet the difference between the student's total educational expenses and the student's family's resources.
- The amount and type of self-help expected from the student relate to the circumstances of the individual. The largest amount of grant funds is provided to those students with the greatest expenses and the least ability to pay.
- The amount of student financial assistance awarded to a student reflects the student's family's economic circumstances; therefore, the amount of assistance provided to a student will not be made public. OPSU complies with the Family Rights and Privacy Act.



## Financial Aid Satisfactory Academic Progress Policy--Title IV Programs

Federal Regulations (CFR 668.16) require that a student maintain satisfactory academic progress in the course of study being pursued, according to the standards and practices of the institution in which the student is enrolled, in order to receive aid under the Higher Education Act (Title IV). These programs at OPSU include Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Perkins Loan, Federal Stafford Loan Program, Federal PLUS, Federal College Work Study, and Oklahoma Tuition Aid Grants.

### A. Qualitative and Quantitative Requirements

Both qualitative and quantitative standards for satisfactory progress shall be applied uniformly to each student whether or not the student has previously participated in the Title IV aid programs.

Cumulative grade point averages (CGPA) and hours attempted shall determine student eligibility to participate in the Title IV programs. In order to satisfy both qualitative and quantitative requirements, all students must fulfill minimum standards as follows:

Cumulative Grade point:

00-30 hours attempted	minimum CGPA	1.7
31 or more hours attempted	minimum CGPA	2.0

Completion Rate:

Students must complete 75% of all hours attempted

For financial aid purposes, grades of "F" (Fail), "W" (Withdrawal), "AU" (Audit), "AW" (Administrative Withdrawal), "I" (Incomplete), "NP" (No Pass), and "U" (Unsatisfactory) shall be considered hours attempted. However, these grades are not considered hours satisfactorily completed.

Any student receiving Title IV assistance who during any semester completes less than one half of his/her enrolled hours will be automatically suspended from participation in the Title IV programs for the subsequent semester and until such time as the student regains eligibility.

### B. Transfer and Continuing Students

All transfer students entering OPSU must meet the minimum qualitative and quantitative requirements described above to receive federal aid. All continuing students must meet the minimum requirements listed above in order to participate in Title IV programs.

### C. Evaluation Increment Period

All students participating in the Title IV programs will be evaluated at the end of each semester, including the summer term, to determine if satisfactory academic progress has been achieved.

### D. Financial Aid Probation and Suspension

In the event a student fails to meet minimum acceptable standards as listed above, the student will be placed on financial aid probation for the subsequent semester, during which time the student may continue to receive financial aid.

If at the end of the probationary semester the student fails to meet minimum criteria, the student will be suspended from participating in all Title IV programs until such time as eligibility is re-established.

### E. Re-Establishing Eligibility

A student re-establishes eligibility to participate in the Title IV programs by completing sufficient hours to meet both qualitative and quantitative standards as listed earlier.

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**F. Appeal of Financial Aid Suspension**

Students denied financial aid may appeal the decision if there are extenuating circumstances. Extenuating circumstances include but are not limited to death in family, illness, and hospitalization.

The appeal explaining in detail the extenuating circumstances must be in writing and addressed to the Director of Financial Aid, Sewell-Loofbourrow Hall 106, explaining in detail the extenuating circumstances. This letter must be received by the Office of Financial Aid no later than seven days prior to the first day of classes of the next semester. Supporting documentation may be submitted with the letter to substantiate the appeal (doctor's statement; hospital bill; letters from parents, advisors, or instructors in support of the appeal; attendance reports, etc.).

Students will be given a day and time to attend a meeting of the Financial Aid Committee. Attendance at the appeal meeting is not required, and the appeal will be decided based on the information presented in the appeal letter. The student will be notified, in writing, of the Financial Aid Committee's decision.

**G. Time Limitation of Student Eligibility to Receive Title IV Assistance**

Students enrolled in a two-year degree program or a certificate program may attempt 80 semester hours in pursuit of the degree or certification.

Students enrolled in a four-year degree program or a certification program may attempt 160 semester hours in pursuit of the degree or certification.

**H. Student Responsibility**

The student will be held responsible for knowing his/her eligibility status at the end of each semester.

**Financial Need Determination**

The federal government requires each post-secondary institution that participates in student financial aid programs to utilize an approved needs analysis system to determine the needs of its students. OPSU utilizes the Federal Student Aid Report to determine resources available to students.

The purpose of a needs analysis system is to establish the amount of student financial aid needed by the student based upon consistent and standardized criteria. Financial need is the difference between what the student and/or family is expected to contribute and the cost of attendance.

Among the factors that determine the family's expected contribution include (1) annual adjusted gross income as determined by the Internal Revenue Service, (2) savings, stocks, and bonds, (3) assets in the form of a business, farm, or other real property, (4) nontaxable income and benefits, (5) the student's savings and assets; and (6) the size of the household and the number of children in college. The costs generally considered in the cost of attendance are (1) tuition and fees, (2) room and board, (3) books and supplies, (4) transportation, and (5) personal expenses.

**Student Financial Aid Programs**

The following section briefly describes the student financial aid programs available at OPSU. In order to qualify for these programs, with the exception of certain institutionally based programs, a student must demonstrate financial need, be a US citizen (or have permanent resident status), show academic promise and progress, enroll in an eligible program of study, seek a degree, not owe a refund to any university on any previous grants received, and not be in default on any educational loan previously received to attend any institution of higher learning. For maximum student financial aid consideration, students are encouraged to apply for aid immediately after January 1 of the year preceding enrollment.

### **Federal Pell Grant**

The Federal Pell Grant makes funds available to eligible students attending approved colleges, community/junior colleges, vocational schools, technical institutes, and other post-secondary institutions.

In any academic year, students may apply for a Federal Pell Grant if the student is an undergraduate enrolled in an approved program of study which is 30 weeks in length or longer. To apply for a Federal Pell Grant, students should note the information under the heading “Financial Aid Determination” stated earlier. Students may obtain applications from high school counselors, any college or university, Talent Search, Upward Bound Projects, public libraries, or the U.S. Department of Education.

A student must make satisfactory progress, as outlined in this catalog under the heading “Financial Aid Satisfactory Academic Progress Policy” to continue receiving a Pell Grant.

### **Federal Supplemental Educational Opportunity Grant (FESOG)**

OPSU has a limited number of FESOG awards made available by the Higher Education Act of 1972. FESOG will be awarded to a student only if it is determined that such a student has exceptional financial need and would be unable to attend OPSU without the grant. The student must also show evidence of academic promise, be a citizen of the US, and be accepted as an undergraduate student. To receive an award, a student must make satisfactory progress, as outlined in this catalog under the heading “Financial Aid Satisfactory Academic Progress Policy.”

### **Oklahoma Tuition Aid Grant (OTAG)**

The OTAG program is available to legal Oklahoma residents with a demonstrated financial need who are enrolled as at least half-time students pursuing a degree. The maximum OTAG award is 75% of required enrollment fees. When an Oklahoma student applies for the Pell Grant, s/he can indicate on the application his/her data containing needs analysis be forwarded to the Oklahoma State Regents for Higher Education.

### **Federal Family Educational Loan Program**

Student loans provide a student with the opportunity to borrow against future earnings. A student who borrows money for his/her education must, as with any other type loan, repay that money at a specific time in the future. Information concerning student loans may be obtained via a written request directed to the Office of Financial Aid, Sewell Loofbourrow 106. As with all federal programs administered by the Office of Financial Aid, a student must apply for federal financial aid as described under the heading “Financial Aid Determination,” stated earlier, and make satisfactory progress as outlined under the heading “Financial Aid Satisfactory Academic Progress Policy,” to receive an award.

### **Federal Perkins Loan (formerly NDSL)**

The Federal Perkins Loan program is a long-term, low-interest loan program. Eligibility is based upon a student’s demonstrated financial need. In addition, no loan may be made to a student who indicates an unwillingness to repay a loan.

### **Federal Stafford Student Loan Program (formerly GSL)**

This program is available to resident and non-resident students enrolled at post-secondary institutions. The intent is to provide long-term, low interest loans to students enrolled in an approved program at least half-time. Because both a Pell Grant application and a loan application are required for this program, the Office of Financial Aid should be contacted for the appropriate application forms.

### **Federal PLUS Loan**

Federal PLUS loans provide additional funds for educational expenses. These loans are available to parents of dependent undergraduate students. The borrower must begin repayment within 60 days of the date of disbursement. Federal PLUS loan applications may be obtained in the Office of Financial Aid.

## **Federal College Work-Study Program (FCWS)**

This program is designed to provide part-time employment opportunities for students from low-income families. The work-study program may be combined with other forms of financial assistance such as Perkins, Stafford, PLUS loans, grants, or scholarships from the university to enable the student to meet his/her educational expenses. In order to participate in the FCWS program, a student must have a demonstrated need and be enrolled in an approved program. Priority for employment is given to those students with the greatest financial need.

### **Student Employment**

Student employment is provided, as funds are available, to students who wish to work part-time while pursuing their educations at OPSU. To qualify for such employment, a student must show grades which are average or above, provide recommendations from persons who know his/her character and personal worthiness, and show sufficient competence to do well in the work that the University has available. Students interested in employment may obtain an application from the Office of Financial Aid, Sewell Loofbourrow 106, where notices of job vacancies are posted.

## **Additional Sources of Financial Assistance**

### **Bureau of Indian Affairs**

This program enables Native American students to attend college. Students must contact the Bureau of Indian Affairs or tribal agency of their nation for details.

### **Veterans Administration Benefits**

This program assists veterans and/or their dependents in obtaining a post-secondary education. Students should contact the Department of Veterans Affairs, 125 South Main Street, Muskogee, OK 74401 or call 800-827-1000 in Oklahoma.

### **Vocational Rehabilitation Grants**

The Department of Human Services, through the Division of Vocational Rehabilitation, offers payment of tuition and other services to in-state students who have certain physical or mental handicaps, provided the vocational objective selected by the student has been approved by a Vocational Rehabilitation Counselor. Application for Vocational Rehabilitation may be made through the Department of Human Services, P.O. Box 25352, Oklahoma City, OK 73125 or at a local Vocational Rehabilitation Office.

## **Return of Title IV Aid**

Included in the Higher Education Amendments of 1998 are provisions governing what must happen when a student who receives federal financial aid withdraws from school in any semester. These new policies became effective in the fall semester of 2000. All Title IV Aid recipients will be under the same policy.

“Withdrawal Date” means the student’s last date of attendance at a documented, academically-related activity or the midpoint of the semester for a student who leaves without notifying the institution.

The portion of Federal Title IV funds (grants/loans) a student is allowed to receive is calculated on a percentage basis by comparing the total number of days in the semester to the number of days the student completed before withdrawing. For example, if the student completes 30% of the semester, the student earns 30% of the financial aid originally awarded for the semester. This means that 70% of the scheduled financial aid award remains unearned and must be returned to the federal government.

Students who remain enrolled through at least 60% of the semester are considered to have earned 100% of the aid received and will not have to repay Federal Title IV grant funds.

Both OPSU and the student are responsible for returning unearned Title IV funds. The university's portion of unearned funds to be returned is equal to the lesser of the entire amount of the unearned funds or the total tuition and fee charges multiplied by the percentage of unearned funds. The student is responsible for returning the amount of unearned funds not returned by the University. This could result in the student owing OPSU charges that were originally paid at the time of disbursement. It could also mean that the student may be required to return funds released for personal expenses.

Funds will be returned to the Title IV programs (not to the recipients) in the following order:

- Unsubsidized Stafford Loan
- Subsidized Stafford Loan
- Perkins Loan
- PLUS
- Pell Grant
- FSEOG
- Other Title IV programs

No additional application for federal student aid will be considered by OPSU until all repayment is made or until defaulted student loans are satisfactorily resolved.

### **Student Rights and Responsibilities**

Students have the right to know the following: financial aid programs available; deadline for submitting applications for each financial aid program; how financial need was determined; what resources were considered in the calculation of the need; how most of the financial need as determined has been met; what portion is in the form of grants; how the school determines whether students make satisfactory progress; and what happens if students do not make satisfactory progress.

Students have the responsibility to complete forms accurately and submit them on time; provide correct information; return all additional documentation corrected or new information requested to the Office of Financial Aid, Sewell Loofbourrow 106, or to the agency to which the applications were submitted; read and understand all forms they are asked to sign and to keep copies of them; perform the work that is agreed upon accepting employment; repay all loans in accordance with the repayment schedule; and inform the Office of Financial Aid of any changes in enrollment or address.

## Scholarships and Awards

### Academic Assistance

Students may apply for scholarship consideration if they meet the appropriate requirements for that scholarship. Awards are competitive and are subject to available funding. Although the scholarship application deadline is typically March 1 of each year, students who apply early may receive increased favorable consideration. Applications can be obtained from OPSU admissions coordinators or high school counselors.

Categories of scholarships are based on administration, student status, and academic criteria:

1. **Regent's Academic Scholar Program** - \$4,000.00 plus a full-tuition waiver and room scholarship (annual) for up to 8 semesters, no application deadline, but distributed in October. Must maintain a 3.25 cumulative GPA while in the program. Must remain a full-time student (12 hours) and earn 24 credit hours per year. Residents of Oklahoma automatically qualify by scoring within the 99.5 to 100.0 percentile levels on the ACT or SAT as administered by the state of Oklahoma (Sum of scores should be equal or better than 133 of the ACT skill area scores). Non-residents of Oklahoma can qualify for this scholarship as a National Merit Scholar, National Merit Finalist or United States Presidential Scholar. This scholarship may be transferred to another state institution.
2. **Regent's Regional Baccalaureate Scholarship** - \$3,000.00 plus a full-tuition waiver and room scholarship (annual) for up to 8 semesters. Application deadline is March 1. Must maintain a 3.25 cumulative GPA while in the program. Must remain a full-time student (12 hours) and earn 24 credit hours per year. Must be a resident of Oklahoma and have an ACT composite score of at least 30 and a GPA and class rank which are exceptional. Scholarship must be used at nominating institution, which means the scholarship is not transferable.
3. **Presidential** - Applicable to first-time freshmen only - \$2,000.00 (plus \$450.00 room scholarship). Students must be first-time attendees and have a minimum composite ACT score of 26 or a minimum SAT score of 1170 or be valedictorian of their high school graduating class.
4. **Outstanding Student** - Applicable to first-time freshman only - \$1,000.00 (plus \$450.00 room scholarship) Students must have a minimum composite ACT score of 24 or a minimum SAT score of 1080 or be salutatorians of their high school graduating classes.
5. **Phi Theta Kappa (PTK)** – Applicable to Junior College transfer students - \$1,000. Student must have a minimum of a 3.25 cumulative GPA on a minimum of 30 semester credit hours and have membership in Phi Theta kappa honor society. Renewable with 30 hours per year, full-time enrollment, and cumulative GPA of 3.0.
6. **Educational Achievement** - Applicable to first-time freshmen and transfer students - \$500.00. Students must have a minimum composite ACT score of 22 or a minimum SAT score of 1010. Transfer students must have a minimum of 3.00 cumulative GPA on a minimum of 30 semester credit hours.

Scholarship categories 3-6 listed above are renewable based on GPA and availability of funds. Students must be full-time, degree seeking students (taking at least 30 hours/year). Students must reapply annually through the OPSU Office of High School Relations from January 1 to March 1:

**Presidential:** Maintain a cumulative GPA of 3.25

**Outstanding:** Maintain a cumulative GPA of 3.00

**Educational Achievement:** Maintain a cumulative GPA of 3.0

1. **Educational Incentive Award** - Applicable to first-time freshman and transfer students - \$300.00. Freshman students must have a minimum composite ACT score of 18 or a minimum SAT score of 860 and a high school cumulative GPA of 2.50. Transfer students must have a cumulative GPA of a minimum of 30 semester credit hours. Renewal upon Department Chair recommendation.
2. **Special OPSU Award Scholarships**
  - a. Senior Day Scholarship: \$300.00 one time award for attending a senior day and enrolling at OPSU.
  - b. OPSU Scholastic Contest: \$300.00 one time award for winning an annual scholastic contest and enrolling at OPSU.
  - c. Departmental Scholarship: \$450.00 one time award by Dean of School.

No more than two awards in the category "Special OPSU Award Scholarships" will be awarded to any one student. Any individual student possessing two scholarship awards in this category must use them in consecutive and separate years.

All scholarship amounts listed above will be applied in two equal shares: 1/2 in the fall semester and 1/2 in the spring semester by the business office toward the financial obligations incurred by the student awardees (summer and interterm excluded).



*Miss OPSU 2006- 2007  
Shayla Koehn*

### Panhandle State Foundation Scholarships

The following scholarships are administered through the Panhandle State Foundation. The listing was complete and correct at the time of publication of this catalog. However, it is subject to change as some scholarships may be discontinued and others may be added. For current information, please inquire at the Panhandle State Foundation office, Sewell-Loofbourrow 207.

#### PANHANDLE STATE ASSOCIATION SCHOLARSHIP

Available to: Preference to an OPSU student who is a direct descendent of an OPSU graduate or a direct descendent of a current or life member of the Panhandle State Association of Alumni and Friends (verify relationship in statement). Must have min. 19 ACT or min. 2.5 GPA. Character, community service and extra-curricular activities are considered. Attach statement to application.

Provided by: Panhandle State Association of Alumni and Friends Endowment

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

#### MARVIN AND CORABELL MCKEE PRESIDENTIAL SCHOLARSHIP

Available to: Entering freshman with a min. ACT of 26, SAT of 1170 or the Valedictorian of graduating class

Provided by: McKee Endowment

Amount: \$1,400.00/year (Paid ½ Fall ½ Spring)

#### ROY B. MITCHELL MEMORIAL SCHOLARSHIP

Available to: OPSU Student with minimum 2.00 GPA. **Emphasis on need - attach letter stating need.**

Amount: \$1000.00 per year (Paid ½ Fall ½ Spring)

Provided by: Allie M. Mitchell Endowment

#### R.O. MARR FAMILY SCHOLARSHIP

Available to: Beaver, Cimarron or Texas County HS graduates with 2.50 cumulative GPA

Provided by: R.O. Marr Endowment

Amount: \$650.00/year (Paid ½ Fall ½ Spring)

#### PANHANDLE BUSINESS AND PROFESSIONAL WOMEN SCHOLARSHIP

Available to: Non-Traditional, full-time female student from Texas County. Consideration of need as documented by the Financial Aid Office is a major factor. Consideration of citizenship and non-academic activities based on applicant's letter. Attach letter stating your education goals and why you believe you deserve the scholarship in 50 words or less.

Provided by: Panhandle Business and Professional Women

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

#### DONNA STELZER COOPER MEMORIAL SCHOLARSHIP

Available to: OK resident, non-traditional full time female student with a 2.5 GPA, 60 completed semester hours and minimum age 26. **Attach letter stating need.**

Provided by: Psi Omega Chapter 5200 and Panhandle State Foundation

Amount: \$500.00 per year (paid ½ Fall/½ Spring)

#### PAMC CLASS OF 1950 SCHOLARSHIP

Available to: OPSU student who has a min. 2.5 GPA. Character, community service and extra-curricular activities will be considered. (Attach statement to application) Financial aid is a factor, based on applicant's statement.

Provided by: PAMC Class of 1950

Amount: \$300.00 per year (Paid ½ Fall ½ Spring)

Renewable: Yes, but in competition with others

#### THELMA AND LESLIE MITCHELL SCHOLARSHIP

Available to: OPSU Jr. or Sr. with a 3.0 University GPA. and a High Plains HS graduate.

Provided by: Family of Thelma and Leslie Mitchell

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

#### 54 GAS & GO SCHOLARSHIP

Available to: OPSU Sophomore or above with 32 hrs completed at OPSU and a minimum 2.75 GPA. Consideration of need and citizenship based on attached applicant's statement.

Provide by: 54 Gas & Go Convenience Store

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

#### CAROLANN COLE MEMORIAL SCHOLARSHIP

Available to: Non-Traditional full-time student

Provided by: Carol Ann Cole Memorial Endowment

Amount: \$100.00 year (Paid all in the fall)

Renewable: automatically as long as pursuing degree and attending full-time.

#### GOODWELL CAR WASH SCHOLARSHIP

##### 2 scholarships per year

Available to: OPSU Freshman who is a graduate of Goodwell High School. Consideration given to GPA, ACT score, need and # of years in Goodwell school system.

Provided by: Goodwell Car Wash Endowment

Amount: \$500.00 year (Paid ½ Fall ½ Spring)

#### MARC MAXWELL MEMORIAL SCHOLARSHIP

Available to: Entering Freshman who is a graduate from the Oklahoma Panhandle and/or surrounding area.

Provided by: Marc Maxwell Memorial Endowment

Amount: \$400.00 per year (paid Fall semester)



**JOE AND MARGIE LAWSON LANE SCHOLARSHIP**

Available to: OPSU student with 2.50 GPA. Preference to a participant in OPSU women's basketball program.

Provided by: Joe and Margie Lane endowment

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**PAMC CLASS OF 1954 SCHOLARSHIP**

Available to: OPSU Junior or Senior who has a min. 2.5 cumulative GPA. Must be a good citizen, actively pursuing a degree from OPSU and must participate in campus activities. Preference do descendants of the PAMC Class of 1954. Must list name of ancestor on application. Preference to financial need as determined by the Financial Aid Office

Provided by: PAMC Class of 1954 endowment

Amount: \$300.00 per year (Paid ½ Fall ½ Spring)

**VIDA N. ENNIS SCHOLARSHIPS (3 Scholarships/year)**

Available to: Must be a FEMALE full time degree seeking student: Incoming female Freshman with a min. 2.00 GPA, all other females with a min. 3.0 GPA.

Provided by: Vida N. Ennis Endowment

Amount: \$200.00 per year (Paid ½ Fall ½ Spring)

**OBERA HATLEY GOODWIN MEMORIAL SCHOLARSHIP**

Available to: OPSU Student with ACT of 17 or 2.3 cum. GPA. Major consideration given to need as established by the Financial Aid Office. Preference to graduates of High Schools in Roger Mills County, OK and Hemphill County, TX.

Provided by: Family & friends of Obara Goodwin.

Amount: \$1200.00 per year (Paid ½ Fall ½ Spring)

**HELEN HUDDLESTON SCHOLARSHIP**

Available to: OPSU Jr. or Sr. with cumulative GPA of 3.00 or above. **PREFERENCE TO FINANCIAL NEED - attach statement**

Provided by: Helen Huddleston Family

Amount: \$450.00 per year (paid Fall Semester)

**KANSAS STUDENT FOUNDATION SCHOLARSHIPS (10 Scholarships)**

Available to: Kansas residents

Provided by: Anonymous donor

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**CLASS OF 1961 FOOTBALL TEAM & ASSOCIATES SCHOLARSHIP**

Available to: opsu sophomore or above with a minimum 2.0 GPA. Must participate in OPSU Athletics.

Provided by: Class of 1961 and Associates

Amount: \$300.00 per year (Paid ½ Fall ½ Spring)

**HAZEL WILLIAMS SCHOLARSHIP**

Available to: Graduate from a 150-mile radius of OPSU with a 2.00 GPA. **Preference to participation in athletics**

Provided by: Hazel William's Endowment

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**FIRST STATE BANK OF BOISE CITY SCHOLARSHIPS (2 Scholarships)**

Available to: Cimarron County graduate in the upper 50% of the High School Class. Full time OPSU Student.

Provided by: First State Bank of Boise City

Amount: \$1000.00 per year (Pd ½ Fall/ ½ Spring)

**HOME CULTURE CLUB of BOISE CITY SCHOLARSHIP**

Available to: Must be a Cimarron county student with a minimum college G.P.A. of 2.5. OPSU nursing student preferred, but open to other fields. Preference to need as established by the Financial Aid Office.

Provided by: Home Culture Club of Boise City and the Panhandle State Foundation

Amount: \$200.00 per year (paid ½ Fall- ½ Spring)

**ELIZABETH STEWART MEMORIAL SCHOLARSHIP**

Available to: Cimarron County Graduate with a minimum 2.5 GPA.

Provided by: J. B. and Carol Stewart

Amount: \$300.00 per year (Paid ½ Fall ½ Spring)

**HOOKER PTO SCHOLARSHIP**

Available to: Entering Freshman who is a Hooker High School graduate.

Provided by: Hooker PTO and the Foundation

Amount: \$400.00 per year (Paid ½ Fall ½ Spring)

**RILEY F. AND ALMURTA SHIFLETT SCHOLARSHIP**

Available to: Entering Freshmen or full time, degree seeking transfer students with a 3.0 GPA.

Provided by: Family of Riley F. and Almurta Shiflett

Amount: \$1000.00 per year (Paid ½ Fall ½ Spring)

## 50

### CARL & DAMIE WOOTEN SCHOLARSHIP

Available to: OPSU student with 2.50 cum. GPA. Pref. to participation in OPSU athletics.  
Provided by: Children & grandchildren of Carl and Damie Wooten  
Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

### LU ANN FISCHER / HOOKER HIGH SCHOOL SCHOLARSHIP

Available to: Entering Freshman who is a Hooker High School graduate. **Preference to Health Care or Agriculture related majors**  
Provided by: Donald and Wanda Fischer  
Amount: \$300.00 per year (paid Fall Semester)

### HOOKER LIONS CLUB SCHOLARSHIPS

Available to: Hooker High School graduate  
Provided by: Hooker Lions Club and the Foundation  
Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

### GARDNER-PICKARD MEMORIAL SCHOLARSHIP

Available to: Freshman from Hooker, OK or Yuma, CO  
Provided by: Todd Gardner and Kelly Pickard Memorial endowment  
Amount: \$150.00 per year (Paid in full in Fall)

### GUYMON LIONS CLUB SCHOLARSHIPS

(2 Scholarships/year)  
Available to: Guymon students. A 2.0 GPA must be maintained.  
Provided by: Guymon Lions Club and the Foundation  
Amount: \$1,000.00 per year (Paid ½ Fall ½ Spring)

### GUYMON PTO SCHOLARSHIP

Available to: Entering freshman who are Guymon High School graduates  
Provided by: Guymon PTO and the Foundation  
Amount: \$500.00 per year (Paid ½ Fall ½ Spring)  
**\*Include:** Letter of application, including HS extra curricular activities and future plans.

### GUYMON PANHANDLE LIONS CLUB SCHOLARSHIPS

(4 Scholarships/year) **\*\*Special Application Required\*\***  
Available to: Entering freshmen who are Guymon High School graduates. Request application from the foundation, a GHS counselor or P.O. Box 676, Guymon, OK 73942. Only applications using the correct form will be considered.  
Provided by: Guymon Panhandle Lions Club and Panhandle State Foundation  
Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

### GUYMON MASONIC SCHOLARSHIPS

(2 Scholarships per year) **\*\*Special Application Required\*\***  
Pick up a Masonic application at the Foundation Office or write to: Masonic Scholarships, Rt. 2 Box 35, Guymon, OK 73942.  
Available to: OPSU students that are graduates of Guymon, Hardesty, or Yarbrough HS with a 2.00 GPA & are enrolled in 12 hrs. Must maintain C average to qualify for 2<sup>ND</sup> semester payment.  
Provided by: Guymon Masonic Charity Foundation and Panhandle State Foundation  
Amount: \$500.00 per year (Paid ½ Fall ½ Spring)  
**Send Application To:** Masonic Scholarship Committee  
Rt. 2, Box 35, Guymon, OK 73942  
or bring to the Foundation Office.

### TEXHOMA ROTARY CLUB SCHOLARSHIPS

Available to: Texhoma High School graduate  
Provide by: Texhoma Rotary Club/the Foundation  
Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

### THEO YARBROUGH KIWANIS SCHOLARSHIP

Available to: Guymon High School graduate  
Provided by: Theo Yarbrough Endowment and the Panhandle State Foundation  
Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

### HERB AND MARIE MATHERS SCHOLARSHIP

Available to: Entering Freshman who is a graduate of Texhoma High School  
Provided by: Herb Mathers Memorial Endowment  
Amount: \$250.00 per year (paid Fall Semester)

### GOODWELL LIONS CLUB SCHOLARSHIPS

(2 Scholarships/year)  
Available to: Goodwell High School graduate.  
Provided by: Goodwell Lions Club and the Foundation  
Amount: \$400.00 per year (Paid ½ Fall ½ Spring)

## AGRICULTURE

### NOBLE FOUNDATION SCHOLARSHIPS

(4 Scholarships per Year - 1 per listed major)  
Available to: Oklahoma residents majoring in Agricultural Education, Agronomy, Animal Science, & Agricultural Business  
Provided by: The Noble Foundation  
Amount: \$2,000.00 per year (Paid ½ Fall ½ Spring)

### GUTHRIE SCOTTISH RITE FOUNDATION SCHOLARSHIPS

(# of scholarships varies per year)  
Available to: Junior or Senior from the five-state area. Must be enrolled in the School of Agriculture and in need of Financial Assistance

Provided by: Guthrie Scottish Rite Charitable and Educational Foundation  
 Amount: Varies per year (Paid ½ Fall ½ Spring)

**JIM QUINN ECOLOGY & NATURAL RESOURCES SCHOLARSHIP**

Available to: Jr. or Sr. in either Agronomy or Biology with a career interest in ecology and/or natural resources management; 3.0 GPA required. Career preparation (courses, work experience), citizenship, and non-academic activities are considerations based upon the applicant's statement.

Provided by: Jim Quinn  
 Amount: \$1,000.00 per year (Paid ½ Fall ½ Spring)

**RALPH & CLARICE GIECK MEMORIAL SCHOLARSHIP**

Available to: Agriculture or Education major. H.S. GPA of 3.5 or college GPA of 3.0 required. Graduate of Oklahoma Panhandle H.S. or northeast NM H.S. Attach list of character, community service, and extra-curricular activities - including athletics.

Provided by: Ralph & Clarice Gieck endowment  
 Amount: \$400.00 per year (Paid ½ Fall ½ Spring)

**RAYMOND PECK AGRONOMY SCHOLARSHIP**

Available: Junior or Senior Agronomy major  
 Provided by: Raymond Peck endowment  
 Amount: \$350.00 per year (Paid ½ Fall ½ Spring)

**MILTON ENGLAND ANIMAL SCIENCE SCHOLARSHIP**

Available to: Jr. or Sr. that is an Animal Science major  
 Provided by: Milton England endowment  
 Amount: \$750.00 per year (Paid ½ Fall ½ Spring)  
 Renewable: No

**MILTON ENGLAND AG-EDUCATION SCHOLARSHIP**

Available to: Juniors or Seniors that are Ag- Ed majors  
 Provided by: Milton England endowment  
 Amount: \$750.00 per year (Paid ½ Fall ½ Spring)

**DR. ESTES FIRESTONE MEMORIAL SCHOLARSHIP**

Available to: Junior or Senior Animal Science major - **preference for meat option**  
 Provided by: Estes Firestone Memorial endowment  
 Amount: \$200.00 per year (Paid ½ Fall ½ Spring)

**MONSANTO CHOICE GENETICS SCHOLARSHIP**

Available to: OPSU Junior or Senior with min. 2.0 college GPA. Scholarship based on performance in swine evaluation in livestock and meats contest.  
 Provided by: Monsanto Choice Genetics endowment  
 Amount: \$300.00 per year (Paid ½ Fall ½ Spring)

**JAMES T. WRIGHT AGRONOMY SCHOLARSHIP**  
**2 Scholarships per year**

Available to: OPSU Agronomy student  
 Provided by: James T. Wright endowment  
 Amount: \$500.00 per year (paid Fall Semester)

**DENVER TALLEY AWARD OF EXCELLENCE**

Available to: Sophomore, Jr., or Sr. in Agriculture  
 Provided by: Denver Talley endowment  
 Amount: \$300.00 per year (paid Fall Semester)

**NEAL L. THOMPSON SCHOLARSHIP**

Available to: Freshman agriculture student with 2.0 high school GPA  
 Provided by: Neal L. Thompson endowment  
 Amount: \$250.00 per year (Paid ½ Fall ½ Spring)

**SKELTON'S NATURAL BEEF SCHOLARSHIPS**

**2 Scholarships per year**

Available to: OPSU student with minimum 2.0 GPA. Hard worker with good work ethics.  
 Provided by: Skelton's Natural Beef  
 Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**DOUG & BONNIE SMITH MEMORIAL SCHOLARSHIP**

Available to: OPSU sophomore or jr. ag. student with 2.70 min. GPA - **preference to need**  
 Provided by: Friends & family of Doug & Bonnie Smith  
 Amount: \$125.00 per year (paid Fall Semester)

**ALLEN WILLIAMS OUTSTANDING AG STUDENT SCHOLARSHIP**

Available to: Freshman, Soph. or Jr. Ag. Student.  
 Provided by: Williams endowment  
 Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**HOWARD WARREN MEMORIAL SCHOLARSHIP**

Available to: OPSU Sophomore with 2.5 min. GPA. Preference to **Animal Science and Medical Technology**. Resident or HS graduate of Cimarron county.  
 Provided by: Howard Warren Memorial Endowment  
 Amount: \$100.00 per year (Paid Fall Semester)

**ALLIED HEALTH STUDIES**

**LU ANN FISCHER MEMORIAL SCHOLARSHIP**

Available to: OPSU student with pref. to allied health  
 Provided by: Donald and Wanda Fischer  
 Amount: \$200.00 per year (Paid ½ Fall ½ Spring)

**MARJORIE FISCHER MEMORIAL SCHOLARSHIP**

Available to: OPSU Student with pref. to allied health  
 Provided by: Donald and Wanda Fischer  
 Amount: \$200.00 per year (Paid ½ Fall ½ Spring)

**GUYMON ROTARY CLUB NURSING SCHOLARSHIP**

Available to: Nursing student entering OPSU as a Freshman. Preference to H. S. graduate within 150-mile radius.  
 Provided by: Guymon Rotary Club / the Foundation  
 Amount: \$500.00 per year (paid ½ Fall ½ Spring)

**CHRISTINE ROTHSCHOPF JANUARY MEMORIAL NURSING SCHOLARSHIP**

Available to: An outstanding student who is a So., Jr. or Sr. and has attained admittance in the nursing program  
 Provided by: Christine Rothschof January Memorial Endowment  
 Amount: \$1000.00 per year (paid ½ Fall ½ Spring)

**ART****DUNHAM ART SCHOLARSHIP**

Available to: OPSU student with a major or minor in Art.  
 Provided by: Dunham Art Scholarship Endowment Fund  
 Amount: \$230.00 per year (Paid ½ Fall ½ Spring)

**RUTH BROWN MEMORIAL ART SCHOLARSHIP  
2 Scholarships**

Available to: OPSU Art Student  
 Provided by: Ruth Brown Scholarship Endowment Fund  
 Amount: \$1,000.00 per year each (Paid ½ Fall ½ Spring)

**PAUL FARRELL MEMORIAL ART SCHOLARSHIP**

Available to: OPSU Sophomore, Junior or Senior art student with a 3.0 or above. Must be very active in Images Art Club. Consideration given to financial need and community service.  
 Provided by: Paul Farrell Scholarship endowment fund  
 Amount: \$250.00 per year each (Paid ½ Fall ½ Spring)

**BASED ON NEED**

*Applications for scholarships based on need MUST have a letter stating need to be considered!*

**VISION SCHOLARSHIP**

Available to: Candidate must come from a home in which Spanish is the first language. Letter of recommendation from a HS teacher or employer. Attach written statement from candidate: RE: How I would like to help others who come from a background like mine. Candidate does not qualify for other funds.  
 Provided by: Vision Scholarship fund  
 Amount: \$100 -\$1,000 per semester  
 Apply to: Panhandle State Foundation  
 Application date: open

**R.D. AND CARRY HALL MEMORIAL SCHOLARSHIP**

Available to: Selection based on letter stating need - attach to application.  
 Provide by: Family of R.D. and Carry Hall  
 Amount: Amount Varies per Year (Paid ½ Fall ½ Spring)

**JON ALTOM SCHOLARSHIP**

Available to: OPSU students 25 years old or older in need.  
 Provide by: Family of Jon Altom  
 Amount: \$750.00 per year (Paid ½ Fall ½ Spring)

**BIOLOGY****HAROLD AND VERA CORBIN HEFLEY SCHOLARSHIP  
(number of scholarships vary)**

Available to: OPSU student majoring in Biology and entering with min. 3.5 HS GPA and 24 ACT score; or maintains 3.0 college GPA in a min. 32 hrs/year. Need, citizenship and participation in non-academic activities are considered, based on applicant's attached statement.  
 Provided by: Harold M. Hefley and Vera Corbin Hefley Charitable Foundation  
 Amount: \$1,000.00 year (Paid \$500 per semester)

**BIOLOGY OR CHEMISTRY****RALPH & CLARA BENNETT SCHOLARSHIP**

Available to: Chemistry or Biology major with a 3.0 GPA. Preference to graduate of Texhoma HS. Financial need considered.  
 Provided by: Family of Ralph & Clara Bennett  
 Amount: \$1,000.00 year (Paid \$500 per semester)

**BUSINESS****GUYMON ROTARY CLUB BUSINESS SCHOLARSHIP**

Available to: OPSU Jr. or Sr. business major with an overall min GPA of 3.0. Selection based on need, and citizenship. List campus activities involved in, and amt of financial aid on application  
 Provided by: Guymon Rotary Club / the Foundation  
 Amount: 500.00 per year (Paid ½ Fall ½ Spring)

**J. DELBERT WELLS AND GUILA WELLS AWARD**

Available to: An outstanding Jr. business major who has demonstrated qualities of leadership List activities / club / honors/ etc.  
 Provided by: J. Delbert and Guila Wells Endowment  
 Amount: \$300.00 per year (Paid ½ Fall ½ Spring)

**SANDRA BLANKENSHIP COOK MEMORIAL SCHOLARSHIP**

Available to: An OPSU Jr. or Sr. business major with a 2.0 GPA or higher. Must be active in student organizations/campus life. List activities/clubs/ etc.  
 Provided by: Sandra Blankenship Cook Endowment  
 Amount: \$1,500.00 per year (Paid ½ Fall ½ Spring)

**COOPER AND GLADYS WEBB WEST SCHOLARSHIP**

Available to: Oklahoma resident with minimum 2.5 GPA majoring in Business, CIS or Education. Please attach list of non-academic activities and statement of need

Provided by: J. Delbert and Guila Wells Endowment

Amount: \$900.00 per year (Paid ½ Fall ½ Spring)

**FAHRENDORF SCHOLARSHIP**

Available to: Preference to OPSU sophomore or above computer science major with a minimum 2.5 GPA from Texas County. Need will be considered.

Provided by: William and Pam Fahrendorf

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**McMURRY FAMILY SCHOLARSHIP**

Available to: Oklahoma resident with minimum 2.5 GPA majoring in Business, CIS or Education. Please attach list of non-academic activities and statement of need

Provided by: J. Delbert and Guila Wells Endowment

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**EDUCATION****TEXAS/CIMARRON CO. RETIRED EDUCATORS ASSOCIATION SCHOLARSHIP (2 Scholarships/Year)**

Available to: Upper level OPSU student pursuing a professional teaching degree. HS graduate from Cimarron or Texas County, OK

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

Provided by: TCCREA and the Foundation

**DULABAHN EDUCATION SCHOLARSHIPS  
2 Scholarships per year**

Available to: Jr. or Sr. majoring in Education. HS Graduate from Texas or Cimarron County, Oklahoma

Provided by: Dulabahn Endowment Fund

Amount: \$500.00 per year

**MERLE K. AND H.E. EXLINE SCHOLARSHIPS**

Available to: OPSU student with min 2.5 HS or College GPA. Recipient must have graduated from Seiling, Laverne, Woodward, Sharon Mutual or Beaver HS. Preference to students who plan to participate in the Teacher Education program.

Provided by: Hazel E. Exline Endowment

Amount: \$1,000.00/year (Paid ½ Fall ½ Spring)

**BETTY V. NELSON MADER SCHOLARSHIP**

Available to: OPSU student majoring in elementary education with a minimum 2.5 GPA. Preference to sophomores. Financial need considered.

Provided by: Mader Endowment

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**ENGLISH****HALIBURTON/SEXTON SCHOLARSHIPS  
(2 Scholarships per year)**

Available to: Upper level English major who plans to teach

Provided by: Bernice Haliburton and Kathryn Sexton

Amount: \$400.00 per year (Paid ½ Fall ½ Spring)

**JANESE VINES MEMORIAL ENGLISH SCHOLARSHIP**

Available to: OPSU student pursuing an English major

Provided by: Janese Vines Memorial Endowment

Amount: \$330.00 per year (Paid ½ Fall ½ Spring)

**NORA D. KEY MEMORIAL SCHOLARSHIP**

Available to: Upper level English majors who plan to teach

Provided by: Nora D. Key Endowment

Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**GUYMON FIRE DEPARTMENT INTERN****RUTH BROWN FIRE INTERN SCHOLARSHIP**

Available to: OPSU student with a minimum 2.5 GPA who is participating in the Fire Protection Intern Program. Attach list of non-academic activities involved in.

Provided by: Guymon Fire Department and the Foundation

Amount: amount varies per year

**EQUINE SCIENCE****MATTILYN GRACE LAMAR MEMORIAL SCHOLARSHIP**

Available to: OPSU So., Jr., or Sr. majoring in Equine Science with a minimum college GPA of 2.5. Citizenship is a major factor. Financial need considered based on applicant's attached statement.

Provided by: Matt and Mindy LaMar

Amount: \$300.00 per year (Paid ½ Fall ½ Spring)

**INDUSTRIAL TECHNOLOGY****CLINT ABBOTT SCHOLARSHIP**

Available to: Preference to OPSU Soph., Jr. or Sr. with industrial tech major with min 2.5 GPA.  
 Provided by: Family and friends of Clint Abbott  
 Amount: \$320.00 per year (Paid ½ Fall ½ Spring)

**LIVESTOCK JUDGING****KATHY & DENNIS STEDJE MEMORIAL SCHOLARSHIP**

Available to: OPSU Ag student in the judging program.  
 Provided by: Kathy Stedje Memorial Endowment.  
 Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**ANSC ALUMNI LIVESTOCK JUDGING SCHOLARSHIP  
(2 Scholarships)**

Available to: OPSU Ag student in the judging program.  
 Provided by: ANSC Alumni Endowment  
 Amount: \$350.00 per year

**FRANK SWAN FAMILY SCHOLARSHIP**

Available to: OPSU Animal Science major participating in the judging program.  
 Provided by: Frank Swan Family  
 Amount: \$500.00 per year (Paid ½ Fall ½ Spring)

**MATHEMATICS/CIS****DR. W. F. DUNAWAY AWARDS****(2 scholarships)**

Available to: Sophomore, Junior, or Senior math major  
 Provided by: Dr. W. F. Dunaway Endowment  
 Amount: \$1000.00 per year (Paid ½ Fall ½ Spring)

**ROBERT R. MURPHY SCHOLARSHIP**

Available to: OPSU math and computer science majors with 2.5 college GPA  
 Provided by: Children of Robert R. Murphy  
 Amount: \$450.00 per year (Paid ½ Fall ½ Spring)

**MUSIC****IMETA O'NEAL DENT MUSIC SCHOLARSHIP**

Available to: Outstanding music student  
 Provided by: Imeta O'Neal Dent Endowment  
 Amount: \$300.00 per year (Paid ½ Fall ½ Spring)

**FRED CARTER MEMORIAL MUSIC SCHOLARSHIP**

Available to: An outstanding OPSU senior instrumental music student preference to performance  
 Provided by: Mr. M. L. Carter  
 Amount: \$500.00 per year (paid Fall Semester)

**FRIENDS OF MUSIC SCHOLARSHIP**

Available to: OPSU student majoring in music  
 Provided by: Friends of Music Endowment  
 Amount: \$450.00 per year (Paid ½ Fall ½ Spring)

**JIM HITCH MUSIC MEMORIAL SCHOLARSHIP**

Available to: Vocal music student. Entering Freshman or OPSU Student with a 2.50 GPA  
 Provided by: Jim Hitch Memorial Endowment  
 Amount: \$350.00 per year (Paid ½ Fall ½ Spring)

**LINDELL ANTON SMITH SCHOLARSHIP**

Available to: OPSU student majoring in music with a 2.50 GPA. Financial need considered.  
 Provided by: Lindell Anton Smith Endowment  
 Amount: \$350.00 per year (Paid ½ Fall ½ Spring)

**RODEO****ROBERT "SKIP" SKILLINGS RODEO SCHOLARSHIP**

Available to: OPSU student in intercollegiate rodeo  
 Provided by: Skillings Endowment  
 Amount : \$250.00 per year

**"DOC" GARDNER MEMORIAL RODEO SCHOLARSHIP**

Available to: Competing members of the Rodeo Team with a 2.5 GPA  
 Provided by: Dr. Gardner Memorial Endowment  
 Amount: \$650.00 per year (Paid ½ Fall ½ Spring)  
 Renewable: Yes, but in competition with others

**RODEO ALUMNI SCHOLARSHIP**

Available to: Competing member of the OPSU Rodeo Team with a 2.5 GPA  
 Provided by: Rodeo Alumni Endowment  
 Amount: \$150.00 per year (Paid ½ Fall ½ Spring)

**SPEECH/HUMANITIES/DRAMA****JIM HITCH MEMORIAL SPEECH SCHOLARSHIP**

Available to: OPSU student majoring in Humanities with a 2.5 GPA.  
 Provided by: Jim Hitch Memorial Endowment  
 Amount: \$350.00 per year (Paid ½ Fall ½ Spring)  
 Renewable: Yes, but in competition with other apps

## Other Scholarships

The following is a listing of scholarships offered by sources outside of the University and available to OPSU students:

### **Tri-County Electric Co-Operative Scholarship**

The Tri-County Electric Co-Operative has established three scholarship awards for freshmen students in the amount of \$900 each per school year (\$450 per semester). Each year, one award is made in each of the three Panhandle counties (Texas, Beaver, and Cimarron). To be eligible for consideration, a student must come from a family that participates in the services offered by the Tri-County Electric Co-Operative and must attend OPSU. Other factors considered in making the awards are ability, need, and future potential. Applications may be obtained at the Tri-County Electric Co-Operative office at Hooker, OK.

### **American Association of University Women Scholarship (AAUW)**

Each year the Goodwell Panhandle Area Branch of AAUW offers a scholarship of \$200 (\$100 per semester), to an outstanding senior woman student. To be eligible for consideration for the award, the recipient must have and maintain a 2.50 GPA on a 4.0 scale. The recipient will be selected by a committee composed of members of the local AAUW branch to be chosen by the president of that organization. The selection is based on leadership, need, and scholarship.

### **Panhandle Board of Realtors Scholarship**

A scholarship of \$100 is given each year to a junior or senior with a declared major in the Department of Business and an overall 3.0 or better GPA on a 4.0 scale. The recipient must be a graduate of one of the Oklahoma Panhandle high schools. The selection is based on scholarship, citizenship, and need. Applicants should contact the Head of the Department of Business.

### **Phi Beta Lambda Scholarship**

Former students of the OPSU Department of Business and former members of the OPSU business club, Phi Beta Lambda, offer a scholarship to a sophomore or junior student majoring in a degree offered by the Department of Business. Recipients are chosen on the basis of scholarship, need, and citizenship. Applicants should contact the Head of the Department of Business.

### **Hugoton Lions Club Scholarship**

The Hugoton Lions Club offers two scholarships annually, usually \$300 each year. The recipient must be a graduate of Hugoton High School, Hugoton, KS. The amount will be divided into equal halves to be used in the two semesters of the freshman year. Application should be made through the Office of the Hugoton High School counselor.

### **Beryl Midkiff Scholarship**

OPSU offers several scholarships, each worth \$500.00 per year (\$250.00 per semester), to "female students of good moral character who rank in the upper half of their class in scholastic standing." These awards are available to first-time entering freshmen, transfers, and returning students. The awards are renewable for up to eight semesters. An application must be submitted to the Office of the Vice President for Academic Affairs.

### **Activity Scholarships**

A limited number of scholarships is offered for participation in various activities. Listed below are the activities and the individuals to contact concerning qualifications and applications.

OPSU Athletics - Athletic Coach for individual sports: football, rodeo, baseball, cross country, basketball, golf, and softball

OPSU Music - Music Studies Coordinator, Director of Ensembles: band, jazz band, choir, and chamber singers

OPSU Ambassadors—Director of High School and Community Relations

OPSU Cheerleaders—Cheerleading sponsor

OPSU Agriculture—Judging Team sponsor: meat judging and livestock judging

## HONORS

### **J.R.P. Sewell Scholarship and Achievement Award**

J.R.P. Sewell Scholarship and Achievement Award was established in 1949 in memory of the late J.R.P. Sewell, who was instrumental in the establishment of OPSU. The award is presented at commencement to the graduating senior who ranks highest in scholarship, leadership, and citizenship. To be eligible for the award, a senior must have completed all of his/her college work at OPSU.

### **President's Honor Roll**

The President's Honor Roll, listed each semester, includes all students who carry 12 hours or more (excluding developmental and activity course hours) and who have a 4.0 GPA with no incomplete (I) grades.

### **Dean's Honor Roll**

The Dean's Honor Roll, listed each semester, includes all students who carry 12 hours or more (excluding developmental and activity course hours) and have a 3.5 or higher GPA with no incomplete (I) grades or "F's."



*J.R.P. Sewell Award winner, Allen Roberts is congratulated by Diane Murphey, Dean, School of Business and Technology.*



## Student Organizations

### Student Association

Every student enrolled at OPSU is a member of the Student Association. The Student Association supports student enterprises and organizations and directs student activities.

### Intramural Sports Program

Under the supervision of the Director of Intramurals, the OPSU intramural program provides recreational activities such as basketball, football, volleyball, golf, and softball opportunities for participation in physical activities. Participation is voluntary and open to faculty and students enrolled in the University. The objective of the program is to offer everyone connected with the University a sport and activity by providing teams which stress activity, fair play, and competition.

### Student Societies and Organizations

Opportunities for participation in a variety of extracurricular activities are offered to OPSU students through the following organizations.

Association of Information Technology Professionals (AITP)  
 Alpha Beta Sigma (Psychology)  
 Alpha Chi (Honors)  
 Alpha Zeta  
 Ambassadors  
 Anglistics Society (English)  
 Baptist Student Union  
 Block and Bridle (Agriculture)  
 Chamber Singers  
 Cheerleading (Co-ed)  
 Christian Student Center (Church of Christ)  
 Collegiate FFA  
 Collegiate Music Educators National Conference  
 Equine Club  
 International Students Organization  
 Images (Art Club)  
 Industrial Tech Club  
 Jazz Band  
 Junior Livestock Judging Team  
 Media Club (Radio, Collegian, Yearbook)  
 Methodist Student Union  
 OPSU Band  
 OPSU Choir  
 Rodeo Club  
 Senior Livestock Judging Team  
 Student Nurse Association  
 Student Oklahoma Education Association (SOEA)  
 Student Senate  
 Technology Student Club

For further information, students should consult the [OPSU Student Handbook](#).

## General Admissions and Retention Regulations

### ADMISSION REGULATIONS

#### PART I: REGULAR ADMISSION

OPSU offers Baccalaureate, Associate of Arts, Associate of Science, and Associate of Applied Science degrees. Admission standards for each degree type are shown in this section. Students must meet both high school curricular and performance standards as follows:

#### Baccalaureate Programs

**High school curricular requirements for regular admission of first-time entering students** (students with six or fewer attempted semester hours):

Students must have completed the following high school curricular requirements to be eligible for admission to baccalaureate programs.

Oklahoma State Regents' 15 Unit High School Core Curricular Requirements:

- **English:** four units (Grammar, Composition, Literature)
- **Laboratory Science:** two units (Biology, Chemistry, Physics, or any lab science certified by the school district; General Science with or without a lab may not be used to meet this requirement.)
- **Mathematics:** three units (from Algebra I, Algebra II, Geometry, Trigonometry, Math Analysis, Calculus)
- **History and Citizenship Skills:** three units (including one unit of American History) and two additional units from subjects of Government, Geography, Economics, Non-Western Culture. Examples -- *Courses that do qualify:* American Government, Civics, Eastern Geography, Economics, Multicultural History (with non-West Geography Content), Western World Geography, World History. *Courses that do not qualify:* Aerospace Science, American Documents, American Issues, Contemporary Social Issues, Introduction to Law, Military History, Psychology, Sociology, 20th Century Legal Issues.
- **Other:** three units (from any of the subjects listed above or selected from the following: Computer Science and Foreign Language.)

High school performance criteria for regular admission of first-time entering students:

An individual must be a graduate of a high school accredited by the appropriate regional association or by an appropriate accrediting agency of his/her home state or must have achieved a high school equivalency certificate based on the General Education Development tests (GED); must participate in the American College Testing (ACT) program or a similar acceptable battery of tests; and must meet the following high school performance standards to be eligible for admission to baccalaureate programs. Students utilizing Scholastic Aptitude Test (SAT) scores will have their scores converted to ACT equivalents. Oklahoma ACT and national SAT data will be used. A GED recipient's high school class must have graduated.

- ACT/SAT or Standard Required Tests Scores - 20/900
- High School Performance or High School GPA\* in Required Core Courses - 2.7
- Class Rank and GPA\* - Top 50% and 2.7

\*GPA will be defined annually to correspond to the rank in class.

If a student scores below 19 in any one of the following four subject areas -- science, mathematics, reading, and English -- he/she will be required to take appropriate subject placement exams. If the placement exam score does not reflect satisfactory college level subject knowledge, the student must complete the appropriate developmental/remedial course. A student with deficiencies may enroll in an Associate degree program, but not in a Baccalaureate degree program.

### **Associate of Arts/Associate of Science Programs**

**High school curricular requirements for regular admission of first time entering** (students with six or fewer attempted semester hours):

Students who meet the high school curricular requirements described for the Baccalaureate programs are eligible to enter the Associate of Arts/Associate of Science program. Students who lack high school curricular requirements are admissible into Associate of Science or Associate of Arts programs but must remove the deficiencies at the earliest possible time within the first 24 hours attempted. In addition, students must remove curricular deficiencies in a discipline area before taking collegiate level work in that discipline.

Students who have not completed curricular requirements in high school may remove curricular deficiencies by successfully completing developmental/remedial courses or by successfully completing appropriate examinations or by making an ACT score of 19 or above in the appropriate area. Students may not count developmental/remedial courses toward satisfaction of degree program requirements.

**High school performance criteria for regular admission of first-time-entering students:**

An individual must be a graduate of a high school accredited by the appropriate regional association or by an appropriate accrediting agency of his/her home state, or must have achieved a high school equivalency certificate based on the GED, participate in the ACT program or a similar acceptable battery of tests, and meet the high school performance standards listed under the baccalaureate program to be eligible for admission to Associate of Arts and Associate of Science programs. A GED recipient's high school class must have graduated.

### **Associate of Applied Science Programs**

**High school curricular requirements for regular admission of first-time-entering students** (students with six or fewer attempted semester hours):

Students who meet the high school curricular requirements described for the Baccalaureate program are eligible to enter the Associate of Applied Science programs. Students lacking high school curricular requirements may be admitted to Associate of Applied Science programs but must remove curricular deficiencies in a discipline area before taking collegiate-level work in that discipline.

Students who have not completed curricular requirements in high school may remove curricular deficiencies either by successfully completing developmental/remedial courses, by successfully completing appropriate examinations, or by an ACT score of 19 or above in the appropriate area. Students may not count developmental/remedial courses toward satisfaction of degree program requirements.

**High school performance criteria for regular admission of first-time-entering students:**

An individual must be a graduate of a high school accredited by the appropriate regional association or by an appropriate accrediting agency of his/her home state, have achieved a high school equivalency certificate based on the General Education Development tests (GED); and have participated in the American College Testing program (ACT) or a similar acceptable battery of tests to be eligible for admission to Associate of Applied Science programs. A GED recipient's high school class must have graduated.

A student wishing to transfer from an Associate of Applied Science Program into an Associate of Science, Associate of Arts, or a Bachelor degree program must formally apply and must have removed all existing curricular and/or academic deficiencies.

**PART II: Special Admission****• Special Non-Degree-Seeking Student**

Students who wish to enroll in courses, but not to pursue a degree, may be permitted to enroll in no more than nine credit hours without submitting academic credentials or meeting the academic curricular or performance requirements. Retention standards will be enforced. Once a student has completed the designated number of hours, should she/he wish to enroll in additional course work, she/he is required to meet OPSU's formal admission or transfer criteria.

The president or his/her designee may allow non-degree seeking students to exceed this initial nine credit-hour limit on an individual student basis. Such exceptions may be made for non-degree seeking students only who meet the retention standards.

**• Alternative Admission Category**

Alternative admission policy provides for admission of up to 50 students.

Students entering under the alternative admission category will be interviewed by the Admissions and Retention Committee. The committee will seek to identify those students for alternative admission who (1) have a reasonable chance of academic success, (2) have unusual talent in art, drama, music, sports, and the like, or (3) are educationally or economically disadvantaged and show promise of being able to succeed in a program or curriculum being offered at OPSU.

The Alternative Admission Category will be used equitably and will proportionally represent different types of students of unusual talent or abilities who do not otherwise meet established admission standards. Waivers will not be awarded in significant proportion for scholarship athletes.

**• Adult Admission Category**

The adult admission category is designed to allow adults who have been out of the educational system for a period of time to continue their education without undue restrictions. The following two categories of adults are considered for admission:

- A. Any applicant who is not a high school graduate but whose high school class has graduated and has participated in the ACT program or similar battery of placement tests.
- B. Applicants who are 21 years of age or older or on active military duty.

Students admitted under the adult admission category must meet the following conditions for admission and continued enrollment:

- A. Show ability to benefit from higher education by successfully completing an appropriate examination. Students who have not participated in the ACT program or the SAT must schedule an appointment to take an approved examination. To schedule an examination, contact the Admissions Office (SL 128).
- B. Receive academic counseling and advisement from an admissions counselor or an academic advisor to ensure enrollment in courses in which the applicant shows a reasonable chance of success.
- C. Remove academic deficiencies in each academic area before taking collegiate level work in that area. All deficiencies must be completed during the first 24 hours of college work at OPSU.
- D. Meet the Oklahoma State Regents for Higher Education academic retention standards.

- **Home Study or Unaccredited High Schools Category**

An individual who is a graduate of a private, parochial, or other nonpublic high school not accredited by a recognized accrediting agency is eligible for admission as follows:

- A. The student must have participated in the ACT or SAT program and achieved the requisite composite score, as defined in “Part I: Regular Admission” for the degree program he/she wishes to enter.
- B. The student’s high school class of his or her peers must have graduated.
- C. The student must satisfy the high school curricular requirements for admission as certified by the school or, for home study, the parent.

- **Opportunity Admission Category**

Students who have not graduated from high school whose composite standard score on the ACT places them at the 99th percentile of all students, using Oklahoma norms, or whose combined verbal and mathematical scores on the SAT places them at the 99th percentile of all students, using national norms, may apply for full enrollment at OPSU. The University determines admissibility based on test scores, evaluation of a student’s level of maturity and ability to function in the adult college environment, and whether the experience will be in the best interest of the student intellectually and socially.

- **International Student Admission and Admission of Students for Whom English is a Second Language**

International students are required to meet equivalent academic performance standards as listed for admission to Associate or Baccalaureate programs. Additionally, students for whom English is a second language shall be required to present evidence of proficiency in the English language prior to admission.

**PART III: Concurrent Enrollment of High School Students**

- **A twelfth grade student enrolled in an accredited high school may, if he/she meets the requirements set forth below, be admitted provisionally to OPSU as a special student.**
  - A. Students who have completed their junior year who are enrolled in less than a full high school load, and whose composite ACT score is 19 or whose high school GPA is at or above 3.0 on a 4.0 scale are eligible to enroll at OPSU during their senior year of high school. In addition, an ACT test score of 19 must be achieved in the area where study will be pursued. For example, mathematics score of 19 must be achieved before enrolling in Math 1513-CollegeAlgebra.
  - B. Students must have signed statements from their high school principals stating that they are eligible to satisfy requirements for graduation from high school (including curricular requirements for college admission) no later than the spring of the senior year. Students must also provide letters of recommendation from their counselors and written permission from their parents or legal guardians.
  
- **An eleventh grade student enrolled in an accredited high school may, if he/she meets the requirements set forth below, be admitted provisionally to OPSU as a special student.**
  - A. If the student has achieved a composite score which places him/her at or above the 58th percentile using Oklahoma norms or have a high school GPA at or above 3.5 on a 4.0 scale. In addition, an ACT test score of 19 must be achieved in the area where study will be pursued.
  - B. Students must have a signed statement from their high school principals stating that they are eligible to satisfy requirements for graduation from high school (including curricular requirements for college admission) no later than the spring of the senior year. Students must also provide letters of recommendation from their counselors and written permission from their parents or legal guardians.
  
- **A student receiving high school level instruction at home or from an unaccredited high school may be admitted provisionally to OPSU as a special student if he/she meets the requirements set forth below:**
  - A. He/She must be 17 years of age or older and have a composite ACT test score which places him/her at or above the 42<sup>nd</sup> percentile using Oklahoma norms, or
  - B. He/She must be 16 years of age and have achieved a composite ACT test score which places him/her at or above the 58<sup>th</sup> percentile using Oklahoma norms.
  - C. An ACT test score of 19 must be achieved in the area where study will be pursued.

A high school student admitted under the provision set forth above may enroll in a combined number of high school and college courses per semester not to exceed a full-time workload of 19 semester credit hours. For purposes of calculating workload, one-half high school unit shall be equivalent to three semester credit hours of college work. Students wishing to exceed this limit may petition the Office of Admissions. The appropriate institutional officials will evaluate the student's academic performance and potential for success in determining the student's load that may not exceed the number of semester credit hours 50 percent greater than the number of weeks in the applicable semester/term. The collegiate portion of the student's workload must be taken from regular faculty members of OPSU and may be provided off campus if approved by the Oklahoma State Regents for Higher Education (OSRHE) and may use alternative delivery systems if approved by the OSRHE. OPSU will provide appropriate academic advising prior to and continuing throughout the student's enrollment. High school students enrolling concurrently in off campus classes may only enroll in liberal arts and sciences courses.

- A student who is otherwise eligible under this policy may enroll in a maximum of nine semester credit hours during a summer session or term without the necessity of being concurrently enrolled in high school classes during the summer term. Students wishing to exceed this limit may petition the OPSU Office of Admissions. The appropriate officials will evaluate the student's academic performance and potential for success in determining the student's load that may not exceed the number of semester credit hours 50 percent greater than the number of weeks in the applicable semester/term. The completion of the high school curricular requirements shall not be required of concurrently enrolled high school students for purposes of admission. Students may only enroll in curricular areas where the student has met the curricular requirements for college admission. Concurrently admitted high school students will not be allowed to enroll in any developmental/remedial courses.
- Following high school graduation, such a student may continue his/her enrollment at OPSU provided that during the provisional enrollment period he/she has achieved a college grade point average of 2.0 or above on a 4.0 scale and meets the entrance requirements of OPSU, including the high school curricular requirements.

#### **PART IV: Admission by Transfer**

A transfer student is any undergraduate student with more than six attempted semester credit hours, excluding developmental/remedial (0-level), pre-college work, or credit hours accumulated by concurrent enrollment.

- **Undergraduate Students Entering by Transfer from a State System Institution**

An Oklahoma state system student who wishes to transfer to OPSU may do so under the following conditions:

1. If the student originally met both the high school curricular requirements and academic performance standards for the respective OPSU Baccalaureate program, he/she must have a GPA high enough to meet OSRHE retention standards.
2. If the student originally met the high school curricular requirements but not the academic performance standards of OPSU, he/she must have a GPA high enough to meet the OPSU retention standards, based on at least 24 attempted semester credit hours of regularly graded (A, B, C, D, F) college work.
3. If the student originally met the academic performance standards but not the curricular requirements of OPSU, he/she must have a GPA high enough to meet the OPSU retention standards and must also complete the curricular requirements before transferring.
4. If the student originally met neither the high school curricular requirements nor the academic performance standards of OPSU, he/she must have a GPA high enough to meet the OPSU retention standards based on at least 24 attempted semester credit hours of regularly graded (A, B, C, D, F) college work and must also complete the curricular requirements before transferring.

- **Students Entering by Transfer from an Out-of-State Institution**

A student who wishes to transfer from an out-of-state college or university to OPSU may do so by meeting the regular admission requirements of OPSU (including ACT/SAT testing and/or placement testing) and by submitting official transcripts from every college or university attended.

- A. Transcripts of record from colleges or universities accredited by the North Central Association or other regional associations will be evaluated. Full value will be given for all work evaluated as transferable.

1. Each non-resident applicant must be in good standing in the institution from which she/he plans to transfer.
  2. Each non-resident applicant must have made satisfactory progress (an average of C or better) in the institution from which he/she plans to transfer in order to be enrolled in good standing at OPSU.
- B. Transcripts of record from institutions not accredited by a regional association may be accepted in transfer when appropriate to the student's degree program and when OPSU has had an opportunity to validate the courses or programs.
1. Each applicant must be in good standing in the institution from which she/he plans to transfer.
  2. Each applicant must have made satisfactory progress (an average grade of C or better) in the institution from which he/she plans to transfer and will be required to validate the transferred credit by making satisfactory progress (an average of C or better) for at least one semester.

- **Transfer Probation**

Transfer students entering from an accredited institution who do not meet academic criteria established by the OSRHE academic criteria, including high school curricular requirements, but have not been formally suspended, may be admitted as "transfer probation" students. Such students may be admitted as follows:

- A. Applicants will be admitted on probation and must maintain a 2.0 GPA on a 4.0 scale each semester while on probation or raise their cumulative GPA to current OSRHE retention standards.
- B. Each applicant must have originally met OPSU regular admission standards.
- C. Each student with curricular deficiencies must remove the deficiencies within the first 12 hours of enrollment.

## Retention Standards

The following standards relate to retention of students pursuing study in undergraduate programs at OPSU. For continued enrollment, a student must meet retention standards as prescribed below. All standards are based on a 4.0 GPA scale.

### **PART I: Definition of Terms**

- **Good Academic Standing:** Any student who meets the retention requirements (not on academic probation or academic suspension) as set forth in this policy is in good academic standing.
- **Academic Notice:** Freshmen students, with 30 or fewer semester credit hours and with a retention GPA of at least 1.7 but less than 2.0, will be placed on academic notice. Academic notice provides early monitoring of academic progress.
- **Academic Probation:** Any student whose retention GPA falls below those designated in Part II for a given semester is on academic probation.



- **Academic Suspension:** Any student who was on academic probation the previous semester and who fails to raise his/her GPA to the required retention level designated in Part II or to achieve a 2.0 GPA the next semester in regularly-graded course work, not to include activity or performance courses, will be suspended from the institution.

## **PART II: Retention GPA Requirements**

All courses in which a student has a recorded grade in regularly graded courses (A, B, C, D, F) will be counted in the calculation of the GPA for retention purposes.

Once a student has attempted 30 semester credit hours, he/she must maintain a 2.0 retention GPA for the duration of his/her college experience.

A student will be placed on academic probation if he/she fails to meet the following retention GPA requirements:

<u>Credit Hours Attempted</u>	<u>GPA</u>
0 through 30	1.7
Greater than 30	2.0

Freshman students with fewer than 30 attempted credit hours and with a retention GPA of at least 1.7 but less than 2.0 will be placed on academic notice.

Any student not maintaining satisfactory progress toward his/her academic objective as indicated above will be placed on probation for one semester. At the end of that semester, he/she must have a semester GPA of 2.0 in regularly-graded course work, not to include activity or performance courses, or meet the minimum retention GPA standard required above in order to continue as a student. Students not meeting either of these criteria will be immediately suspended and may not be reinstated until one regular semester (fall or spring) has elapsed. Students suspended in the spring semester may attend the summer session immediately following spring suspension. However, such students may enroll only in core academic courses which meet the general education requirement or degree requirements. Only students under first-time suspension status at OPSU are eligible. To continue in the fall semester, such students must achieve at least a 2.0 semester GPA or raise their retention GPA to the required level.

Students placed on Academic Notice, Academic Probation, or Academic Suspension will be informed of their status, in writing, by the Office of the Registrar and will be advised concerning conditions for continued enrollment.

## **PART III: Additional Requirements**

### **• Suspension of Seniors**

A student with 90 or more hours in a specified degree program who has failed to meet the retention grade point average of 2.0 or the semester GPA of 2.0 may enroll in an additional 15 semester hours in a further attempt to achieve the requirements for retention. During this 15 hours of enrollment, the student must achieve a minimum semester GPA of 2.0 during each enrollment or raise his/her retention GPA to 2.0 or above. Such students will be afforded this extension one time only.

- **Academic Suspension Appeals**

Students who are placed on academic probation or suspension will be informed in writing by the Registrar and will be advised concerning conditions for continued enrollment or readmission. Suspended students may make a written request through the Office of the Registrar for a hearing before the Admissions Committee. Each student heard will be required to document any extraordinary personal circumstances that contributed to his/her academic deficiencies. Such events must be highly unusual such as the death of an immediate relative; a serious illness; severe financial distress; direct, significant work conflicts; unexpected, substantial family obligations; or personal crisis. Appeal decisions will be made by the Admissions Committee after thoughtful deliberation.

The Admissions Committee may prescribe a specific plan of action for the student to follow. Such a plan may include, but is not limited to, specified courses and number of credit hours in which the student may enroll. The student will also be informed of all academic support services available and may be required to take advantage of such services.

The Admissions Committee will notify the student, in writing, of its decision.

- **Readmission of Suspended Students**

- A. Students who are academically suspended will not be allowed to re-enter for at least one regular semester (fall or spring) except as noted above in Academic Suspension Appeals.
- B. Students who are academically suspended will be readmitted only one time. Such students are readmitted on probationary status and must maintain at least a 2.0 GPA each semester attempted while on probation or raise their cumulative GPA to at least 2.0.
- C. A student who is suspended a second time cannot return to OPSU until such time as he/she has demonstrated, by attending another institution, the ability to succeed academically by raising his/her retention GPA to at least 2.0.

- **Reinstatement of Suspended Students at System Institutions**

- A. Students who are placed on academic suspension at other institutions within the state system will be admitted on probation to OPSU provided they have not been enrolled for at least one regular semester (fall or spring) or comply with the published Academic Suspension Appeals process previously noted. They must also otherwise qualify for regular admission to OPSU.
- B. The student will be admitted on probation and must maintain at least a 2.0 semester GPA each semester while on probation or raise the cumulative GPA to the current OPSU retention standards.
- C. The student will be admitted to OPSU one time only. A student admitted under this policy who is subsequently suspended from OPSU cannot return to OPSU until such time as he/she has demonstrated, by attending another institution, the ability to succeed academically by raising his/her retention GPA to at least 2.0.

## Grade Point Calculation

A GPA will be calculated on the basis of total semester hours attempted in grade point bearing courses and total grade points. These are listed as “Quality Hours” on transcripts. Developmental/remedial courses and Health, Physical Education (HPER) activity courses are excluded from the GPA calculation. To determine a GPA, find the total number of grade points (QPTS) and divide by the number of semester hours (QHRS) attempted. The following definitions will help in interpreting the grade point system:

1. **Semester Hours Attempted.** The term “semester hours attempted” is interpreted to mean all semester hours of collegiate study in which a student has enrolled and for which he/she has received a final grade.
2. **Repeated Courses.** A student may repeat a course any number of times. A maximum of four repeated courses, but not to exceed 18 semester credit hours in which grades of D or F were received, may be excluded from retention/graduation GPA calculations. In this case, only the second grade received in the course is used in the calculation of the grade point average of that student for graduation/retention GPA. The student must request this action, either verbally or in writing, through the office of the Registrar. Repeated courses are in addition to the academic reprieve policy. If a student repeats an individual course more than once, all grades earned, with the exception of those exempted, are used to calculate the retention and graduation GPA. Students repeating courses above the first four courses or 18 credit hours of Ds or Fs repeated may do so with the original grades and repeat grades averaged.
3. **The Grade of I.** The grade of I (Incomplete) shall be neutral in the calculation of the cumulative grade point average. If it is not removed within a maximum of one year, it will remain on the transcript as a permanent “I”, unless the instructor has assigned a default grade.
4. Transcripts show GPA calculations: 1) cumulative GPA that includes all courses in which a grade was assigned and 2) retention and graduation GPA that excludes reprieved courses and those repeated courses which can be excluded.

### Grades and Grade Points

<u>Grade</u>	<u>Description</u>	<u>Points</u>
A	Excellent	4.00
B	Good	3.00
C	Satisfactory	2.00
D	Passing	1.00
F	Failing	0.00
I	Incomplete	GPA neutral
P	Extracurricular credit	GPA neutral
W	Withdrawal	GPA neutral
AW	Administrative withdrawal	GPA neutral
AU	Audit	GPA neutral

## Academic Forgiveness Provisions

Circumstances may justify a student being able to recover from academic problems in ways which do not forever jeopardize his/her academic standing. The student's academic transcript, however, should be a full and accurate reflection of the facts of the student's academic life. Therefore, in situations which warrant academic forgiveness, the transcript will reflect all courses in which a student was enrolled and in which grades were earned, with the academic forgiveness provisions reflected in such matters as how the retention/graduation GPA is calculated. Specifically for those students receiving academic forgiveness by repeating courses or through academic reprieve or renewal, the transcript will reflect the retention/graduation GPA excluding forgiven courses/semesters. The transcript will also note the cumulative GPA which includes all attempted regularly graded course work.

Academic forgiveness may be warranted for currently enrolled undergraduate students in three specific circumstances: 1. For pedagogical reasons, a student will be allowed to repeat a course and count only the second grade earned in the calculation of the retention/graduation GPA under the prescribed circumstances listed below; 2. There may be extraordinary situations in which a student had done poorly in up to two semesters due to extenuating circumstances which, in the judgment of the appropriate institutional officials, warrants excluding grades from those semesters in calculating the student's retention/graduation GPA; and 3. A student may be returning to college after an extended absence and/or under circumstances that warrant a fresh academic start.

Students may seek academic forgiveness utilizing the following institutional procedures. A student may receive no more than one academic reprieve or renewal in his/her academic career, and only one option (reprieve or renewal) can be used. The repeated courses provision may be utilized independent of reprieve or renewal within the limits prescribed below.

### 1. Repeated Courses

A student may repeat a course any number of times. A maximum of four repeated courses, but not to exceed 18 semester hours in which grades of D or F were received, may be excluded from retention/graduation GPA calculations. In this case, only the second grade received in the course is used in the calculation of the grade point average of that student for graduation/retention GPA. The student must request this action, either verbally or in writing, through the office of the Registrar. Repeated courses are in addition to the academic reprieve policy. If a student repeats an individual course more than once, all grades earned, with the exception of those exempted, are used to calculate the retention/graduation GPA. Students repeating courses above the first four courses or 18 credit hours of D or F repeated may do so with the original grades and repeat averaged.

### 2. Academic Reprieve Policy

OPSU grants academic reprieve consistent with Oklahoma State Regents for Higher Education (OSRHE) policy as follows:

1. The student must be currently enrolled at OPSU.
2. Prior to requesting the academic reprieve, the student must have completed 12 hours at OPSU since he/she completed the period in which the grades he/she requested to be reprieved were earned.
3. The student must petition for a reprieve in writing to the Office of the Registrar.
4. At least three years must have elapsed between the period in which the grades being requested to be reprieved were earned and the reprieve request.

5. Prior to requesting the academic reprieve, the student must have earned a GPA of 2.0 or higher with no grade lower than a “C” in all regularly graded course work ( a minimum of 12 hours) excluding activity or performance courses. This course work may have been since completion of the period in which the grades being requested to be reprieved were earned.
6. The request may be for one semester or term of enrollment or two consecutive semesters or terms of enrollment.
7. If the reprieve is awarded, all grades and hours earned during the enrollment period are included. Both passing and failing grades are excluded from the graduation/retention GPA and from hours earned and attempted. If the student has mastered the content of a course that is required for graduation as indicated by a passing grade, the student does not have to repeat the same course. However, he/she must still complete the minimum requirements for graduation excluding all credits earned during the reprieved terms. All courses will remain on the student’s transcript but will be marked to indicate that they are not included in the graduation/retention computations.
8. A reprieved semester or semesters may have been completed at any accredited institution of higher education.
9. The student may not receive more than one academic renewal or academic reprieve from OPSU during his/her academic career. The student may receive either a renewal or reprieve but not both.
10. An academic reprieve granted by OPSU cannot be cancelled or modified by OPSU at a later date.
11. The transcript will show two GPA calculations: 1. Cumulative GPA that includes all courses in which a grade was assigned; 2. Graduation/retention GPA that excludes reprieved courses and those repeated courses which can be excluded.

### **3. Academic Renewal Policy**

OPSU grants academic renewal consistent with OSRHE policy as follows:

1. The student must be currently enrolled at OPSU.
2. Prior to requesting the academic renewal, the student must have completed 12 hours at OPSU since the last semester being requested for renewal consideration.
3. The student must petition for an academic renewal in writing to the Office of the Registrar.
4. At least five years must have lapsed between the last semester being requested for academic renewal and the renewal request.
5. Prior to requesting the academic renewal, the student must have earned a GPA of 2.0 or higher with no grade lower than a C in all regularly graded course work (a minimum of 12 hours) excluding activity or performance courses. This course work may have been completed at any accredited institution of higher education. This work must have been since the last semester specified in the renewal request.
6. The request will be for all courses completed before and including the semester specified in the renewal request.
7. If the renewal is awarded, all grades and hours earned before and including the semester specified are included. Both passing and failing grades are excluded from the graduation/retention GPA and from hours earned and attempted. All courses will remain on the student’s transcript but will be marked to indicate

that they are not included in the graduation/retention computations. Neither the content nor credit hours of renewed coursework may be used to fulfill any degree or graduation requirements.

8. Renewed courses may have been completed at any accredited institution of higher education.
9. The student may not receive more than one academic renewal or academic reprieve from OPSU during his/her academic career. The student may receive either a renewal or reprieve but not both.
10. An academic renewal granted by OPSU cannot be cancelled or modified by OPSU at a later date.
11. The transcript will show two GPA calculations: 1. cumulative GPA that includes courses in which a grade was assigned; 2. graduation/retention GPA that excludes academic renewal actions and those repeated courses which can be excluded.

### **Grade Point Calculation Required for Graduation**

A retention grade point average of 2.0 or better on a 4.0 scale and the minimum GPA as required by the department in the major and minor fields will be required for graduation.

### **Graduation with Honors**

Students who achieve a cumulative GPA of 3.5 on a 4.0 scale during their entire baccalaureate program will graduate *cum laude*. Those with a cumulative GPA of 3.75 on a 4.0 scale will graduate *magna cum laude*. Those with a cumulative average of 4.0 on a 4.0 scale will graduate *summa cum laude*. For persons seeking a second degree, honors are calculated on the candidates' entire undergraduate grade point totals.

## **Scholarship Regulations**

### **Scholarship Required for Extra-Curricular Participation**

All students, after the first year, who represent the University in any intercollegiate competitive activity or who desire to serve on the Student Senate must be regular, full-time students. A regular, full-time student is one enrolled in a minimum of 12 semester hours in residence and one who has earned 24 semester hours of credit in the last two terms of attendance. First-year freshmen must be enrolled in no less than 12 semester hours, and second semester freshmen are required to have received 12 semester hours of credit in their last semester of attendance. All extra-curricular scholarship recipients must have a 2.0 on a 4.0 scale overall retention G.P.A. or a 2.0 on a 4.0 scale for the preceding semester.

### **Scholarship Required of Officers of Collegiate Organizations**

Only regularly enrolled students who during their last term of attendance at the University have passed 12 hours of their scheduled work shall be permitted to hold any collegiate office or elective collegiate position. The scholarship requirement does not apply to first semester freshmen.

## Academic Regulations

### Pre-enrollment

The period for pre-enrollment for each semester and summer session is held in order to allow students to register early.

### Final Enrollment

Final enrollment is conducted during the last days before classes begin, unless otherwise announced. All students are expected to register on or before these designated days. Late enrollment is permitted under certain conditions, but a student must register no later than the fifth class day including the first day of classes of a regular semester or summer session.

Each student is expected to become familiar with the requirements of his/her chosen curriculum. Students are assisted in registering by assigned faculty advisors and other instructors present during registration for this purpose, but **ultimately, students are solely responsible for their own academic planning.**

### The Study Program

A normal study program for freshmen is 15 to 16 semester hours, exclusive of Physical Education and musical and forensic activity credit. A regular program for upperclassmen is 17 to 19 semester hours and may exceed this amount by requesting an approval for an “**overload**” from the Vice President for Academic Affairs. The policy for **overloads** is as follows:

**20-21 hours:** Must have advisor’s written recommendation. Must have a 3.0 GPA within last 30 hours completed. Must be approved by the Office of Academic Affairs (unofficial transcript must accompany request). If students do not have a 3.0 within their last 30 hours, they may appeal in writing to the Academic Council. A student must submit a written request, an unofficial copy of his/her transcript, and a copy of his/her enrollment card for the current semester.

**22-24 hours:** Must have advisor’s written recommendation. Must have a 3.0 GPA within last 30 hours completed and obtain Academic Council approval. Student must submit a written request to the council, an unofficial copy of his/her transcript and a copy of his/her enrollment card for the current semester.

### Class Standing

Class standing is determined as follows:

<u>Hours</u>	<u>Classification</u>
1-28	Freshman
29-59	Sophomore
60-89	Junior
90 or above	Senior

**Attendance**

Responsibility for attending class rests upon the student. The instructor often considers regularity of class and laboratory attendance in determining final grades. The student is expected to be in a class for which he/she is enrolled every time the class meets. Unavoidable absences do not excuse the student from the obligation to do all the work required in the course. Attendance is counted from the first day of classes, even for late enrollees.

The instructor may penalize a student for poor attendance by reducing a student's grade one letter grade for one week's absence in a course or its equivalent for the summer session or workshop for unexcused absences or excused absences if the assigned work has not been made up.

**Adding and Dropping Courses**

The signature of the faculty advisor and instructor must be obtained in dropping and adding courses or otherwise altering study programs. To be official, course changes must be processed by the Office of the Registrar. Courses may not be added after the end of five instructional days of class unless permitted by the Vice President for Academic Affairs.

After the 10th class day, courses may be dropped by the student through the 11th week of classes with a grade of W which remains on the transcript and is neutral in the calculation of GPA. Courses dropped during the 12th and 13th weeks will receive a grade of W or F depending on the student's record at the time of official withdrawal from class. The grade of F is figured in the student's grade point average. Courses may not be dropped during the two week period prior to final examinations. Summer and interterm dates are correspondingly set in relationship to the length of the term.

**Administrative Withdrawal**

Administrative withdrawal may be assigned by the Office of Academic Affairs to indicate that a student has been "involuntarily" withdrawn from class(es). Such withdrawals must follow formal institutional procedures. Administrative withdrawals are GPA neutral.

**Withdrawal from the Institution**

A student who finds it necessary to withdraw from the University before the close of the semester should go to the Admissions Office to begin the official withdrawal process.

The student will be given honorable dismissal upon the presentation to the office of the Registrar of a clearance sheet bearing the signatures of the Manager of the University Bookstore, E. McKee Library, the Housing Supervisor, the Director of Financial Aid, Dean of Student Affairs, and the Cashier at the Business Office. Grades in the courses in which the student is enrolled at the time of withdrawal are determined by the regulations given within the section "Adding and Dropping Courses." The fact that the student may have withdrawn does not alter the scholarship probation requirements. Leaving college without completing the withdrawal process will result in the recording of F in all courses in which the student was enrolled.

The last day to withdraw is also the last day to drop a class.

A withdrawal is not complete until the completed withdrawal form, with all signatures, is filed at the Office of the Registrar.



## **Military Withdrawal**

### **Policy Statement – Military Activation of Currently Enrolled Students**

Any currently enrolled student called to active duty with a reporting date prior to the end of the academic term will be afforded the following options:

1. Withdraw from all courses with no penalty, full refund, and no record of enrollment (full cancellation of enrollment for the active term.)
2. Be awarded Incomplete grades for all classes in the active term in which a regular grade has not been earned or awarded.
  - a. In those cases where a regular grade has been earned or awarded, the regular grade will supersede an Incomplete grade.
  - b. Incomplete grade forms will indicate the required remaining work to be completed.
  - c. The time limit for completion of an Incomplete is now set at one year by OSRHE policy. If this option is exercised by the student, OPSU will attempt to set the completion time as the longer of established OSRHE time limit or three months from release of active duty or discharge from military service, as applicable (approval of OSRHE required).

#### **Provisions of this policy:**

1. No combinations of the two options will be approved. Either option a. or option b. must be selected and will apply to the entire term schedule.
2. Official military orders will be the determining documentation for application of the provisions of this policy. A copy of the official military orders showing activation or recall and, if applicable, release from active duty or discharge will be on file with the Office of the Registrar.

## **Final Examinations**

During the last week of school each semester, a two-hour period is set aside for final examinations. All students will take finals during this period. No early examinations are allowed.

In the event of illness or other catastrophe, a student may receive permission from the Vice President for Academic Affairs to take an early or late examination.

## **Right of Appeal**

Students who feel they have not been treated justly in grading or in the implementation of any school policy should seek redress of their grievances first with the instructor, then the department head and/or school dean, and then the Vice President for Academic Affairs. Should these channels not satisfy the grievance, the student may appeal to the Instructional Accountability Committee as a court of last resort.

## **Academic Misconduct**

Academic misconduct includes cheating (using unauthorized materials, information, or study aids in any academic exercise), plagiarism, falsification of records, unauthorized possession of examinations, intimidation, and any and all other actions that may improperly affect the evaluation of a student's academic performance or achievement; assisting others in any such act; or attempts to engage in such acts. Any academic misconduct on the part of a student will subject that student to disciplinary action in accordance with the procedure laid out in the syllabus for the class in which such misconduct was committed.

Each student has the responsibility to be familiar with the definitions, policies, and procedures concerning academic misconduct.

### **Plagiarism**

Plagiarism is defined as “Verbatim copying of an entire paper or other assigned work, not writing or composing your own work, submitting anyone else’s (student, friend, professional, web) work, structure, or ideas, in whole or in part, without adequate acknowledgement of the sources used to construct a paper or other assigned work, giving or obtaining answers on a test.” The following includes, but does not limit, specific items that constitute plagiarism:

1. uncited ideas, structure, organization, data, or information;
2. verbatim passage(s) or phrase(s) not in quotation marks and cited;
3. submitting another student’s paper or program or art or musical composition or design or machine, etc. as your own.
4. submitting a paper (etc) written by a spouse, relative, roommate, parent, etc.,
5. mosaic plagiarism, i.e. plagiarized passages included in the author’s own work,
6. submitting a paper (etc) so heavily edited by a tutor or anyone else that it is no longer the original student’s work,
7. submitting the same paper (etc) in two different classes without the knowledge and approval of instructor,
8. using any source without citation, including web/internet sources,
9. buying or downloading a paper (etc),
10. having someone else do a substantial portion of the work for you - called by some improper collaboration,
11. submitting any work which you were to have created but didn’t as your own.

### **Class Periods**

A regular class during the fall or spring semester meets 50 minutes per week for each credit hour awarded. For those courses designated as three semester credit hours, classes normally meet either 50 minutes three days per week, 75 minutes two days per week, or 150 minutes one day per week. Laboratory classes meet a minimum of two hours per week per semester credit hour awarded.

### **Credit**

Credit for courses is given in terms of semester hours. A semester hour credit is given for the equivalent of 800 minutes of class work for a semester.

### **Transcripts**

All graduates will be furnished one official transcript free of charge mailed with their diploma. Neither Official nor Unofficial Transcripts will be released if a student has a financial obligation to the University or is missing required documents at the Registrar’s Office. Requests must be addressed in writing to the Registrar.

### **Audit of Courses**

Persons may enroll in selected courses on an audit basis provided space is available. Auditors are required to register and pay regular fees. A grade of “AU” is recorded on the transcript. Auditors may request University credit (change to a credit course) prior to the deadline for adding courses by filling out a drop/add form.

### **Senior Citizen Fee Waiver**

Residents of Oklahoma 65 years of age or older may audit any academic course offered by the University for which they have the prerequisite background on a space available basis. Senior citizen enrollment will begin on the second day of classes and end at the regular University date for closing enrollment. Persons enrolling in courses on this audit fee waiver basis may participate in the rental book plan by paying the rental fee, or they may purchase textbooks at the University bookstore. In most cases, books purchased will require a special order delay.

## General Requirements for Graduation

OPSU confers the Bachelor of Arts, the Bachelor of Science, and the Bachelor of Specialty degrees. The University also offers the Associate of Arts, the Associate of Science, and the Associate of Applied Science degrees. Degree candidates must meet certain uniform requirements to which are added specific requirements established by the various departments of the University.

### Uniform Requirements for the Associate's Degree

1. The minimum credit total required for an Associate degree is 64 semester hours. At least 15 semester hours of the work must be completed in residence at OPSU.
2. The student's grades must meet grade point requirements for graduation. A GPA of 2.0 in all work presented for graduation is required. Transfer students who have a GPA below 2.0 must raise the GPA to a 2.0 average including all previous work combined with credit taken at OPSU. All GPA computations are made on a 4.0 scale using the GPA calculation procedures previously addressed.
3. Candidates for degrees will graduate under the curriculum requirements which are in force when they enter the University provided:
  - a. They have no interruption in their enrollment.
  - b. They complete their program within seven years.
4. Each graduate must secure from the Office of the Registrar an application for graduation. A graduation fee must be paid to the Business Office before the application is filed with the Office of the Registrar. Applications are due within the first two weeks of the semester in which graduation is anticipated. Summer graduates must file their applications in the spring. Graduates must make arrangements with the University bookstore for their caps, gowns, and graduation announcements.

Degree candidates are encouraged to be present for their commencement exercise. If the degree candidate cannot attend, he/she should notify in writing the Vice President for Academic Affairs. Degree candidates must make individual arrangements with the University bookstore for caps, gowns, and graduation announcements.

5. The liberal arts and sciences are defined as those traditional fields of study in the humanities: social and behavioral sciences; communication; natural and life sciences; mathematics; and the history, literature, and theory of the fine arts (music, art, drama, dance). Courses whose primary purpose is directed toward specific occupational or professional objectives or courses in the arts which rely substantially on studio or performance work are not considered liberal arts and sciences for the purpose of this policy. Courses required for the General Education program are not necessarily synonymous or mutually exclusive with the liberal arts and sciences.
6. A maximum of six semester hours of religion may be counted toward graduation.
7. A maximum of two semester hours of activity courses may be counted toward graduation.
8. Students must demonstrate computer proficiency, which includes the competent use of a variety of software and networking applications. This requirement may be completed through one of three options: 1) successful completion of a high school computer science course that meets the State Regent's high school curricular requirements (one year or more not to include keyboarding), 2) satisfy the institution's computer proficiency assessment, or 3) successful completion of college-level course work in the Computer Information Systems area.

**Uniform Requirements for the Bachelor's Degree**

1. The minimum credit total required for a bachelor degree is 124 semester hours. At least 30 semester hours of the work must be completed at OPSU with at least 15 of the last 30 hours or at least 50 percent of the hours required by the institution in the major field must be satisfactorily completed at OPSU.
2. A minimum of 40 credit hours work must be earned in courses of 3000 and above. Lower division courses may not be substituted for upper division courses.
3. The student's grades must meet GPA requirements for graduation. A GPA of 2.0 in all work presented for graduation is required. Transfer students who have a GPA below 2.0 must raise the GPA to a 2.0 average including all previous work combined with credit taken at OPSU. All GPA computations are made on a 4.0 scale using the GPA calculation procedures previously addressed.
4. Candidates for degrees will graduate under the curriculum requirements which are in force when they enter the University provided:
  - a. They have no interruption in their enrollment.
  - b. They complete their program within seven years.
  - c. They recognize that changes in teacher certification must be met (when mandated by the State Legislature and State Department of Education) before the University can recommend them for certification even though they meet graduation requirements.
5. Each graduate must secure from the Office of the Registrar an application for graduation. A graduation fee must be paid to the Business Office before the application is filed with the office of the Registrar. Applications are due within the first two weeks of the semester in which graduation is anticipated. Summer graduates must file their applications in the spring. Graduates must make arrangements with the University bookstore for their caps, gowns, and graduation announcements.

Degree candidates are encouraged to be present for their commencement exercise. If the degree candidate cannot attend, they should notify the Vice President for Academic Affairs. Degree candidates must make individual arrangements with the University bookstore for caps, gowns, and graduation announcements.

6. A second bachelor's degree may be conferred when a student has earned 30 hours above the requirements for the first degree and has completed the specific requirements for the second degree. Honors for the second degree will include grade point calculations for all work taken at the undergraduate level.
7. The requirements of the general education curriculum must be met. It is advisable to complete most of these requirements as soon as it can be arranged, preferably by the time 60 semester hours of credit have been earned. We encourage upper level general education experience during the final two years of our baccalaureate programs.
8. A major field of concentration of at least 30 semester hours including 15 upper division hours must be chosen and the appropriate departmental requirements satisfied; for example, to qualify for a bachelor's degree in agronomy, a student must meet all the special requirements of the Department of Agronomy. The department requirements are listed in the section entitled Requirements for Graduation in Schools.
9. A minor of not fewer than 18 semester hours is required in some Bachelor of Arts and Bachelor of Science degree programs.

10. The liberal arts and sciences are defined as those traditional fields of study in the humanities: social and behavioral sciences; communication; natural and life sciences; mathematics; and the history, literature, and theory of the fine arts (music, art, drama, dance). Courses whose primary purpose is directed toward specific occupational or professional objectives or courses in the arts which rely substantially on studio or performance work are not considered liberal arts and sciences for the purpose of this policy. Courses required for the General Education program are not necessarily synonymous or mutually exclusive with the liberal arts and sciences.
11. A maximum of six semester hours of religion may be counted toward graduation.
12. A maximum of two semester hours of activity courses may be counted toward graduation.
13. A bachelor's degree shall be based upon a minimum of 60 hours, excluding physical education activity courses, at a baccalaureate degree-granting institution, 40 hours of which must be upper-division course work.
14. Students must demonstrate computer proficiency, which includes the competent use of a variety of software and networking applications. This requirement may be completed through one of three options: 1) successful completion of a high school computer science course that meets the State Regent's high school curricular requirements (one year or more not to include keyboarding); 2) satisfy the institution's computer proficiency assessment, or 3) successful completion of college-level course work in the Computer Information Systems (CIS) area. (Only for students admitted/readmitted to OPSU beginning with Fall 1998 to present.)

### **The Bachelor of Science Degree**

Candidates for the Bachelor of Science degree must meet the uniform requirements stated above and must have acquired 55 semester hours of liberal arts and sciences in their degree program. **A minor may be required.**

The Bachelor of Science degree is granted in the following subject fields:

- Agribusiness
- Agronomy
- Animal Science
- Biology
- Chemistry
- Elementary Education
- Equine Science
- Health and Physical Education
- Mathematics
- Physical Science
- Psychology
- Agriculture Education

### **The Bachelor of Arts Degree**

Candidates for the Bachelor of Arts degree must meet the uniform requirements stated above and must have acquired 80 semester hours of liberal arts and sciences in their degree program.

The Bachelor of Arts degree is granted in the following subject fields:

- English
- History
- Humanities
- Social Studies
- Spanish

### **Additional Bachelor Degrees**

Candidates for the following degrees must meet the uniform requirements stated in the previous page and must meet the liberal arts and sciences requirements in their particular degree programs. **A minor may be required.**

- Bachelor of Business Administration, Accounting  
Bachelor of Business Administration, Business Administration  
Bachelor of Business Administration, Education  
Bachelor of Business Administration, Computer Information Systems
- Bachelor of Industrial Technology
- Bachelor of Music
- Bachelor of Science in Nursing
- Bachelor of Technology
- Bachelor of Fine Arts

### **Approved Minor Fields**

Minors are offered in the following fields:

- Accounting
- Agricultural Economics
- Agronomy
- Animal Science
- Art Studies
- Athletic Training
- Biology
- Business Administration
- Chemistry
- Computer Information Systems
- Earth Science
- Economics
- English
- Finance
- Health and Physical Education
- History
- Humanities
- Industrial Technology
- Law Enforcement
- Management
- Marketing
- Mathematics
- Music Performance
- Music Studies
- Physical Science
- Political Science
- Psychology
- Social Studies
- Sociology
- Spanish
- Speech
- Teaching English as a Second Language
- Technical Writing

### **Associate of Arts Degrees**

Candidates for the Associate of Arts degree must complete 41 semester hours of required general education and must complete 23 semester hours of selected electives as approved by the advisor.

The Associate of Arts degree is offered in the following field:

- General Studies

### **Associate of Science Degrees**

Candidates for the Associate of Science degree must complete 41 semester hours of required general education and must complete 23 semester hours of selected electives as approved by the advisor.

The Associate of Science degree is offered in the following fields:

- General Studies
- Agriculture
- Business Administration

### **Associate of Applied Science Degrees**

Candidates for the Associate of Applied Science degree must complete 64-65 semester hours consisting of prescribed General Education courses and prescribed specialty courses.

The Associate of Applied Science degree is offered in the following fields:

- Farm and Ranch Management
- Nursing (Offered by OSU/OKC via OneNet)
- Technology



*Science students take direction from Dr. Collins, Dean of Science, Mathematics, and Nursing*

## General Education Curriculum

In order to insure that each student of the University becomes acquainted with the major areas of knowledge that are the common possession of all educated persons as individuals and citizens in a free society, the following curriculum of General Education is prescribed for all candidates for degrees granted by OPSU and approved by the Oklahoma State Regents for Higher Education. For successful completion of the General Education curriculum, the student should be able to:

- Read critically and express ideas clearly, logically, and persuasively in standard written English (ENGL 1113, 1213).
- Express ideas clearly, logically and persuasively in standard spoken English (COMM 1113).
- Apply mathematics as a language (MATH 1473, 1513, or 1824).
- Apply biological and physical science principles to the natural world (BIOL 1304, CHEM 1135, EASC 1114, PHYS 2014/1011).
- Interpret relationships of the creative processes, aesthetic principles and historic traditions of one or more of the humanities (See catalog.).
- Identify the principles of history and culture of the United States (HIST 1313, 1323).
- Identify the principles of government, politics, and political organizations (POLS 1013).
- Recognize the ideas and principles that influence human thought and behavior (PSYC 1113 or SOC 1113 or CJ 1013).
- Identify the economic principles that effect macroeconomics (ECON 2113, BADM 2113, AG 2343).
- Utilize principles of computer systems throughout the curriculum (CIS 1113).





General Education	41
	Semester Hours
<b>Communication</b>	<b>9</b>
Engl 1113-Freshman English I	3
Engl 1213-Freshman English II	3
Spch 1113-Speech Communications	3
<b>Mathematics</b>	<b>3</b>
Math 1513-College Algebra OR	3
Math 1473-Math for Critical Thinking	
<b>Natural Science</b>	<b>8</b>
Biological Science:	4
Biol 1304-Principles of Biology I	
Physical Science:	4
Chem 1135-General Chemistry OR	
Easc 1114-Physical Geology OR	
Easc 1214-Physical Geography OR	
Easc 2114-Historical Geology OR	
Easc 2214-Environmental Geology OR	
Phy 2014-General Physics and Lab	
<b>U.S. History and Government</b>	<b>6</b>
Hist 1313-U.S. History 1492-1877 OR	3
Hist 1323-U.S. History 1877-Present	
Posc 1013- Am. Government & Politics	3
<b>Social Science</b>	<b>6</b>
Economics	3
(Econ/Badm 2113 required for Business Degrees)	
Social Science	3
Choose from geography, history, political science, sociology, psychology, or law enforcement	
<b>Humanities</b>	<b>6</b>
Choose from humanities, music appreciation, music history, art appreciation, literature, introduction to theater, philosophy, world history, AND/OR world religion. (Must include courses from two areas. No activity courses will count.)	
<b>Liberal Arts and Sciences Electives</b>	<b>2</b>
Choose from the courses identified in the course description portion of the catalog.	
<b>All Students must take</b>	
Educ 1111- Student Success Seminar	1

**Note: Not more than 12 semester hours may be used for both General Education requirements and requirements in a major unless a lesser number is specified otherwise in the major requirements.**

## General Education Policy on Transfer Students

A transfer student who has been certified by an accredited junior college in Oklahoma as having completed satisfactorily its prescribed General Education program culminated by an Associate of Arts or Associate of Science degree will be accepted by OPSU as having fulfilled the lower-division General Education requirements.

Teacher Education candidates may be required to take additional courses in General Education to meet minimum certification requirements, as defined by the State, i.e., health, physical education, and recreation; geography; Oklahoma history, etc. or similar additional requirements of other professional fields. Associate of Arts, Associate of Science, and Associate of Applied Science degrees from non-Oklahoma institutions will be evaluated.

## Transcript Corrections

Correction of grades on the student's official transcript can only be initiated with a written request for a grade change by the original instructor of the class explaining reasons for the request. The grade change request must be approved in writing by the Vice President for Academic Affairs. In the event the original instructor is unavailable, the student may appeal to the Instructional Accountability Committee which may initiate the above process.

## Student Responsibility for Completion of Requirements

In advising and registering students, faculty advisors, Vice President of Academic Affairs, and the Registrar try to prevent errors. The student is expected to remember that graduation and teacher certification are attained according to the University catalog and is expected to study the requirements as set forth and to register in accordance therewith. In registering, the student is to follow the procedures prescribed by the Office of the Registrar. **Ultimately, each student bears his or her own responsibility for meeting graduation requirements.**

# University College

## Director

Carolyn McCargish  
 Director of Developmental Studies  
 Sewell Loofbourrow 316  
 Phone: (580) 349-1422  
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At OPSU, the University College provides advisement and instruction in developmental coursework for students requiring academic assistance. Each student receives services based upon his or her individual needs and academic requirements. Courses are offered in small group settings with a combination of instructor-led instruction and computer-assisted instruction. Course work is provided in areas of English, mathematics, and reading. The University College promotes the following goals:

- To preserve and make possible educational opportunities for each postsecondary learner;
- Develop in each learner the skills and attitudes necessary for the attainment of academic, career, and life goals;
- To ensure proper placement by assessing each learner's level of preparedness for college coursework;
- To maintain academic standards by enabling learners to acquire competencies needed for success in mainstream college courses;
- To enhance the retention of students.

Oklahoma State Regents' admission policy states that "Students must successfully remediate basic skills course requirements within the first 24 hours attempted or have all subsequent enrollments restricted to deficiency removal courses until the deficiencies are removed." Please note, however, that developmental classes do not carry college-level credit and cannot be counted toward the completion of any college level program. OPSU utilizes ACT test scores, and/or scores from the College Placement Test (CPT) for placement decisions. For any ACT sub-score below 19, a student will take the CPT for appropriate placement in developmental coursework. The following list includes the CPT scores required for placement in college-level coursework:

OPSU utilizes ACT test scores, and/or scores from the College Placement Test (CPT) for placement decisions. For any ACT sub-score below 19, a student will take the CPT for appropriate placement in developmental coursework. The following list includes the CPT scores required for placement in college-level coursework:

## Reading Placement

CPT Score	Placement
R 70+	College level courses
R <70	DEVR 0222

## English Placement

CPT Score	Placement
SS 87+ & R 70+	ENGL 1113
SS <87 &/or R <70	DEVE 0113 & 0123
SS <75 or R <70	DEVE 0113

## Math Placement

CPT Score	Placement
EA 73+ & R 55+	MATH 1473 or MATH 1573
EA 52-72 & R 55+	DEVM 0123
EA < 52 or R <55	DEVM 0023

## CPT abbreviations:

SS – Sentence Skills  
 EA – Elementary Algebra  
 R – Reading

## Developmental Courses

DEVE0113	Basic English Skills .....	3 hours
DEVM 0123	Basic Writing .....	3 hours
DEVM 0023	Pre-Algebra .....	3 hours
DEVM 0123	Inter. Algebra .....	3 hours
DEVR0222	Reading Improvement	3 hours

Students enrolled in developmental coursework through the University College program are encouraged also to enroll in courses from their area of interest/degree. The following college level courses are recommended to be taken in addition to developmental coursework in the case where a student needs more credit hours in order to maintain full-time status:

### **Agriculture**

Ag 1011	Introduction to Agriculture Industry
Ag 1124	Farm & Ranch Management
Agme 1103	Applied Electricity
Agme 1222	General Metals Processing
Agme 1432	Oxy-Acetylene Welding
Ansi 1124	Introductory Animal Science

### **Art**

Art 1123	Photography
Art 2113	Drawing I
Art 1433	Fundamentals of Art

### **Business**

Badm 1013	Introduction to Business
Sesc 1103	Typing I

### **Computer Information Systems**

Cis 1113	Introduction to Computers
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### **Health & Physical Education**

Hper 2001	Fitness Activity
Hper 2021	Golf
Hper 2102	First Aid
Hper 2222	Personal Health & Drug Awareness
Hper 2281	Tennis
Hper 2571	Bowling

### **Industrial Technology**

Indt 1013	Woodworking
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### **Humanities**

Hum 1000	Freshman Humanities: Selected Topics
Hum 3100	Popular Culture and Cultural Experiences

### **Music**

Muap 1011	Elementary Guitar
Muap 1111	Elementary Keyboard

Mupe 1111	Marching Band
Mupe 1211	Concert Band
Mupe1311	Jazz Band
Mupe 1411	Concert Choir
Mupe 2711	Musical Theater Production
Mupe 1010	Strings
Mupi 1110	Voice
Mupi 1210	Keyboard
Mupi 1310	Brass
Mupi 1410	Woodwind
Mupi 1510	Percussion
Musi 1513	Music Fundamentals

### **Sociology**

Soc 1113	Elements of Sociology
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### **Speech Communications**

Comm 2111	Forensic Activities
Comm 3412	Art of Acting



*Director of Developmental Studies Carolyn McCargish helps a student enroll.*

## Associate Degree Programs

OPSU offers two-year programs leading to the Associate of Arts (AA), Associate of Science (AS), and the Associate of Applied Science (AAS) degrees.

The Associate of Arts and Associate of Science degree programs are offered in general studies and are available in most departments offering a baccalaureate degree. Either of these degrees qualifies a student to go on to a four-year degree program.

The Associate of Applied Science is considered a terminal degree. It is vocational in nature and is designed for entry into the work force. Persons who obtain the Associate of Applied Science degree who desire to continue studies toward a baccalaureate degree may be required to take additional studies before being admitted to a four-year degree program.

A student may receive a bachelors degree with one major at the same commencement that s/he receives an associates degree with a different major. In order to receive both associate and bachelors degrees with the identical major, at least one full academic year must pass and the degrees must be recognized and awarded at two different commencement exercises.

The Associate of Applied Science programs include:

- Farm and Ranch Management
- Technology
- Nursing (OSU-OKC)

The student's grades must meet grade point requirements for graduation. A GPA of 2.0 in all work presented for graduation is required. Transfer students who have a GPA below 2.0 must raise the GPA to a 2.0 average including all previous work combined with credit taken at OPSU. All GPA computations are made on a 4.0 scale.

Associates degree graduates who do not participate in commencement exercises will not be charged a graduation fee. They will receive a transcript entry noting the receipt of an associate degree. No diploma will be issued to them.

Requirements for all associate degrees are outlined on the following pages.

### Faculty Contact

Dr. Sara Jane Richter  
Dean, School of Liberal Arts  
Professor of English  
Hughes-Strong 109  
Phone: (580) 349-1472  
E-mail: saraj@opsu.edu

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### General Studies (AA)      64 Semester Hours

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#### Student Success Seminar 1

Educ 1111

#### Communication 9

Engl 1113-Freshman English I

Engl 1213-Freshman English II

Comm 1113-Speech Communication

#### Mathematics 3

Math 1513-College Algebra OR

Math 1473- Math for Crit Think

#### American History and Government 6

Hist 1313-U.S. Hist 1492-1877 OR

Hist 1323-U.S. Hist 1877-Present

Pols 1013-American Government

#### Social Science 6

Economics (3)

Social Science (3)

#### Natural Sciences 8

Physical Science (lab course) (4)

Biol 1304-Principles of Biology I

#### Humanities 6

Choose from humanities, music appreciation, music history, art appreciation, literature, introduction to theater, world history, AND/OR world religion. No activity courses will count.

#### Liberal Arts and Science Electives 2

Psychology, Social Sciences, Foreign Language, Fine Arts.

**Concentration** of 23 hours in one of the following areas. Any course taken in the concentration must be departmentally approved. Hours taken to satisfy General Education may count toward the concentration.

Area 1: Humanities: Art Music, Drama

Area 2: Communications: English, Speech, Foreign Language, and Journalism.

Area 3: Social Studies - Sociology, Economics, History Political Science, Law Enforcement, and Religion.

**Faculty Contact**      Dean of the school in which  
you have interest.

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**General Studies (AS)      64 Semester Hours**

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<b>Student Success Seminar</b>	<b>1</b>
Educ 1111	
<b>Communication</b>	<b>9</b>
Engl 1113-Freshman English I	
Engl 1213-Freshman English II	
Comm 1113-Speech Communication	
<b>Mathematics</b>	<b>3</b>
Math 1513-College Algebra	
OR	
Math 1473-Math for Crit. Think.	
<b>American History and Government</b>	<b>6</b>
Hist 1313-US History 1492-1877	
OR	
Hist 1323-US History 1877-Present	
Pols 1013-American Government	
<b>Social Science</b>	<b>6</b>
Economics (three hours)	
Social Science (three hours)	
<b>Natural Sciences</b>	<b>8</b>
Physical Science (lab course)	
Biol 1304-Principles of Biology I	
<b>Humanities</b>	<b>6</b>
Choose from humanities, music appreciation, art history, music history, art appreciation, literature, introduction to theater, world history, AND/OR world religion. (Must include courses from two areas; No activity courses count).	
<b>Liberal Arts and Science Electives</b>	<b>2</b>

**Concentration** of 23 hours in one of the following areas. Any course taken in the concentration must be departmentally approved. Hours taken to satisfy general education may count toward the 23 hour concentration.

Area 1: Education and TESOL

Area 2: HPER (Maximum of two hours of activity class)

Area 3: Industrial Technology

Area 4: Mathematics and Physics

Area 5: Biology, Chemistry, and Earth Science

Area 6: Agriculture, Agronomy, Animal Science, and Equine Science

Area 7: Psychology

**Faculty Contact**      Dr. John Townsend  
Assistant Professor of Agriculture  
Sewell Loofbourrow 214  
Phone: (580) 349-1502  
E-mail: jtownsend@opsu.edu

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**Agriculture (AS)      64 Semester Hours**

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<b>Student Success Seminar</b>	<b>1</b>
Educ 1111	
<b>Communication</b>	<b>9</b>
Engl 1113-Freshman English I	
Engl 1213-Freshman English II	
Comm 1113-Speech Communication	
<b>Mathematics</b>	<b>3</b>
Math 1513-College Algebra	
OR	
Math 1473- Math for Crit Think	
<b>American History and Government</b>	<b>6</b>
Hist 1313-US History 1492-1877	
OR	
Hist 1323-US History 1877-Present	
Pols 1013-American Government	
<b>Social Science</b>	<b>6</b>
Economics (three hours)	
Social Science (three hours)	
<b>Natural Sciences</b>	<b>8</b>
Physical Science (lab course) (four hours)	
Biol 1304-Principles of Biology I	
<b>Humanities</b>	<b>6</b>
Choose from humanities, music appreciation, art history, music history, art appreciation, literature, introduction to theater, world history, AND/OR world religion. Must include courses from two areas; No activity courses count.	
<b>Liberal Arts and Science Electives</b>	<b>2</b>
<b>Agriculture</b>	<b>23</b>
Ag 1011-Intro. to Ag. Industry	
Agrn 1214-Fund. of Plant Science	
Agrn 2124-Fund. of Soil Science	
Ansi 1124-Intro. to An. Science	
Ansi 2123-Livestock Feeding	
Additional Agriculture Electives (seven hours)	

**Faculty Contact**

David Miller  
 Assistant Professor of Business Administration  
 Carter Hall 201A  
 Phone: (580) 349-1452  
 E-mail: dmiller@opsu.edu

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<b>Business Administration (AS)</b>	<b>65</b>
<b>Semester Hours</b>	

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<b>Student Success Seminar</b>	<b>1</b>
Educ 1111	
<b>Communication</b>	<b>9</b>
Engl 1113-Freshman English I	
Engl 1213-Freshman English II	
Comm 1113-Speech Communication	
<b>Mathematics</b>	<b>3</b>
Math 1513-College Algebra	
<b>American History and Government</b>	<b>6</b>
Hist 1313-U.S. Hist. 1492-1877 OR	
Hist 1323-U.S. Hist. 18767-Present	
Pols 1013-American Government	
<b>Social Sciences</b>	<b>6</b>
Economics	
Social Science	
<b>Natural Sciences</b>	<b>8</b>
Physical Science lab course	
Biological Science lab course	
<b>Humanities</b>	<b>6</b>
Choose from humanities, music appreciation, music history, art appreciation, literature, introduction to theater, world history, AND/OR world religion. Must include courses from two areas; no activity courses will count.	
<b>Liberal Arts and Science electives</b>	<b>2</b>
<b>Concentration</b>	<b>24</b>
Acct 2103-Financial Accounting	
Acct 2203-Managerial Accounting	
Cis 2013-Information Systems for Business	
Cis 2223-Micro Appl for Bus Dec	
Badm 3123-Business Law	
Mgmt 3813-Prin of Management	
Mktg 3913-Prin of Marketing	
Business Elective	

**Faculty Contact**

Diane Murphey  
 Dean, School of Business and Technology  
 Associate Professor of CIS  
 Carter Hall 104C  
 Phone: (580) 349-1446  
 E-mail: diane@opsu.edu

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<b>Business Administration (AS)</b>	<b>65</b>
<b>CIS Concentration</b>	<b>Semester Hours</b>

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<b>Student Success Seminar</b>	<b>1</b>
Educ 1111	
<b>Communication</b>	<b>9</b>
Engl 1113-Freshman English I	
Engl 1213-Freshman English II	
Comm 1113-Speech Communication	
<b>Mathematics</b>	<b>3</b>
Math 1513-College Algebra	
<b>American History and Government</b>	<b>6</b>
Hist 1313-U.S. Hist 1492-1877 OR	
Hist 1323-U.S. Hist 1877-Present	
Pols 1013-American Government	
<b>Social/Behavioral Sciences</b>	<b>6</b>
Badm 2113-Macro Economics	
Geography, history, sociology or psychology	
<b>Natural Sciences</b>	<b>8</b>
Physical Science lab course	
Biological Science lab course	
<b>Humanities</b>	<b>6</b>
Music appreciation, music history, art appreciation, intro to theater, literature, philosophy, world history, humanities, or foreign language; from at least 2 areas.	
<b>Liberal Arts and Science electives</b>	<b>2</b>
(Technical Writing, Speech Communications, or Spanish strongly recommended)	
<b>Concentration</b>	<b>24</b>
Acct 2103-Financial Accounting	
Badm 3023-Technical Writing	
Cis 2013-Information Systems for Business	
Cis 2223-Micro Appl for Bus Dec	
Cis 2123-Programming I	
Cis 2233-Logic	
Cis 3113-Advanced HTML	
Cis 3803-Hardware & Software Architecture	

**Faculty Contact** Dr. John Townsend  
 Assistant Professor of Agriculture  
 Sewell Loofbourrow 214  
 Phone: (580) 349-1502  
 E-mail: jtownsend@opsu.edu

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**Farm and Ranch Management (AAS)**  
**64 Semester Hours**

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<b>Student Success Seminar</b>	<b>1</b>
Educ 1111 (required)	
<b>Communication</b>	<b>6</b>
Engl 1113-Freshman English I	
Engl 1213-Freshman English II	
Comm 1113-Speech Communications	
<b>American History and Government</b>	<b>6</b>
Hist 1313-U.S. Hist 1492-1877 OR	
Hist 1323-U.S. Hist 1877-Present	
Pols 1013-American Government	
<b>Guided Electives</b>	<b>7</b>
Agrn 1214-Fund of Plant Science	
Econ 2343-Agriculture Economics OR	
Econ 2123-Prin of Economics	
<b>Technical-Specialty</b>	<b>29</b>
Ag 1011-Intro to Ag Ind	
Ag 4983-Ag Marketing	
Ansi 1124-Intro to Animal Science	
Ansi 2123-Livestock Feeding	
Ansi 2112-Intro Live Animal Evaluation	
Ansi 2442-Art Insem of Farm Animals	
Frng 1124-Farm and Ranch Management	
Frng 3144-Modern Ag Management	
Mgmt 3813-Prin of Management	
Mktg 3913-Prin of Marketing	
<b>Support and Related Electives</b>	<b>15</b>
Courses that are guided electives which enhance the degree curriculum. These courses are required to bring the total to 64 hours for graduation.	



*The OPSU Women's Equestrian Team brings home honors.*



## Associate of Applied Science in Nursing (OSU-OKC)

**Faculty Contact**                                 Lynna Brakhage  
580-349-1520  
E-mail: nursing@opsu.edu

This program is accredited by the National League for Nursing Accrediting Commission and is offered on the OPSU campus. Although students must seek special admission to the AAS Nursing program, they may take non-nursing required courses at OPSU at any time. This program is for students with no academic credit in Nursing and for Advanced Standing by LPNs.

Graduates are qualified to take the National Council of Licensure Examination - (NCLEX-RN) for Registered Nurse licensure. Students graduating with an AAS degree may articulate directly into the Bachelor of Science Nursing program (RN-BSN) at OPSU.

### *AAS Program Description*

A GPA of at least 2.0 on college work completed is necessary in order to be considered for the nursing courses. High school transcripts and/or GED scores are evaluated if no college work has been completed. The following factors are considered in selecting students:

- Cumulative grade point average (GPA) of previous academic work
- Nursing Pre-Admission Test scores
- Required general education and related courses completed

All required documents must be in the Nursing office by dates published. However, if the student has other responsibilities such as family or job, he/she may elect to enroll in general education and related courses before seeking admission to the Nursing courses. After admission into the Nursing program, the courses must be taken sequentially as listed. All students considering entrance into the Nursing program are urged to seek advisement from counselors in the Nursing Department.

### *AAS Advanced Standing for LPNs*

The Nursing program at OSU-OKC offers advanced standing to Licensed Practical Nurses (LPNs) who qualify. In order to receive advanced standing and be admitted to the Nursing program, an LPN must hold a current license in Oklahoma, complete all required pre-requisite courses, and receive a passing score on written examinations. LPNs who graduated from an NLN accredited program in Oklahoma within the last five years will receive special consideration. Many LPNs have been successful in completing the Nursing program and have achieved Registered Nurse licensure. Interested students should contact the Nursing Department at OPSU for further information.

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<b>Nursing (AAS)</b>	<b>71 Semester Hours</b>
<b>(Degree offered by OSU-OKC at OPSU)</b>	

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<b>General Education/non-nursing courses</b>	<b>39</b>
<i>(Courses offered by OPSU)</i>	

Engl 1113-Freshman English I  
Engl 1213-Freshman English II  
Hist 1313-U.S. History 1492-1877 OR  
    Hist 1323-U.S. Hist. 1877-Pres.  
Pols 1013-American Government  
Psyc 1113-Gen. Psychology  
Soc 1113-Elements of Soc  
Biol 2104-Human Anatomy/Lab  
Biol 3205-Human Phys./Lab  
Biol 2124-Microbiology  
Chem 1135-Gen. Chemistry I  
Educ 1123-Nutrition

<b>Technical Occupational Speciality</b>	<b>32</b>
<i>(Courses offered by OSU/OKC)</i>	

*Nurs 1203-Introduction to Nursing*  
*(Only for LPNs seeking admission*  
*by Advanced standing.)*  
Nurs 1116-Fund of Nursing  
Nurs 1128-Adult Nursing  
Nurs 2228-Maternal-Child Nursing  
Nurs 2238-Adv Nursing  
Nurs 2242-Commonalities in Nursing

***Students who graduate from this program may articulate directly into the BSN program.***



**Faculty Contact** Larry Hough  
 Head, Department of Industrial Technology  
 Associate Professor of Industrial Technology  
 Carter Hall 206/Metal Shop 103  
 Phone: (580) 349-1448  
 E-mail: lhough@opsu.edu

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**Technology (AAS)**  
**Drafting & Industrial Technology-Option** **64**  
**Semester Hours**

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**Student Success Seminar** **1**  
 Educ 1111-Stu. Success Sem.

**Communication** **6**  
 Engl 1113-Freshman Engl. I  
 Engl 1213-Freshman Engl II  
 Comm 1113-Speech Communication

**American History and Government** **6**  
 Hist 1313-U.S. Hist. 1492-1877 OR  
 Hist 1323-U.S. Hist. 1877-Present  
 Pols 1013-American Government

**Guided Electives** **7**  
 Science, Humanities, Religion, Mathematics, Commu-  
 nications, Behavioral Science, Economics, Marketing,  
 or CIS

**Technical-Occupational Specialty Courses**  
**29**

**Required Core (20)**

- Indt 1012-Drafting Tech
- Indt 1013-Woodworking Fund.
- Indt 1103-Applied Electricity I
- Indt 1222-General Metal Proc.
- Indt 1432-Oxy. Acetylene Welding
- Indt 2013-Machine Wood Tech.
- Indt 2113-Intro. to CAD
- Indt 3322-Arc Welding

**Electives (9)**

- Indt 1032-Eng. Drafting
- Indt 2223-Intro. to Comp. Num. Control
- Indt 2233-Intro. to Robotics
- Indt 3123-Adv. CAD
- Indt 3423-Mach. Drawing and Design
- Indt 3923-Arch. Drafting
- Indt 4021-Ind. Tech. Org. & Mngt.
- Indt 4022-Eng. Design Concepts

**Support and Related Courses** **15**

Courses that are guided electives which enhance the degree curriculum. These courses are required to bring the total to 64 hours for graduation.

**Faculty Contact** Justin Collins  
 Dean, School of Mathematics/Science/Nursing  
 Associate Professor of Biology  
 Hefley Hall 107  
 Phone: (580) 349-1522  
 E-mail: jkcollins@opsu.edu

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**Technology (AAS)** **71**  
**Fire Protection-Option** **Semester Hours**

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**Student Success Seminar** **1**  
 Educ 1111

**Communications** **9**  
 Engl 1113-Freshman Engl. I  
 Engl 1213-Freshman Engl II  
 Comm 1113-Speech

**Mathematics** **3**  
 Math 1513-College Algebra OR  
 Math 1473-Math for Critical Thinking

**American History and Government** **6**  
 Hist 1313-U.S. Hist. 1492-1877 OR  
 Hist 1323-U.S. Hist. 1877-Present  
 Pols 1013-American Government

**Technical-Occupational Speciality Courses** **43**

- Fpst 1113-Fire Fighter I Certification
- Fpst 1123-Emerg. Med. Tech. — Basic Cert.
- Fpst 1212-Fire Safety Health & Safety
- Fpst 1213-Introduction to Fire Protection
- Fpst 1313-Building Construction
- Fpst 1413-Fire Service Instructor
- Fpst 1513-Fire Safety Educ. Practices
- Fpst 1614-Fire Protection Chemistry
- Fpst 2111-Incident Management System
- Fpst 2213-Fire Protection Systems
- Fpst 2223-Fire Code Enforcement
- Fpst 2314-Fire Protection Stratagies & Tactics
- Fpst 2323-Hazardous Materials Operations
- Fpst 2331-Wildland Fire Operations
- Fpst 2444-Leadership & Supervision

**Support & Related Courses** **9**

- Badm 3173-Business Communications
- Comm 3703-Small Group Discussion
- Soc 2123-Social Problems OR
- Soc 2243-Multicultural Sociology

**Faculty Contact** Larry Hough  
 Head, Department of Industrial Technology  
 Associate Professor of Industrial Technology  
 Carter Hall 206/Metal Shop 103  
 Phone: (580) 349-1448  
 E-mail: lhough@opsu.edu

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**Technology (AAS) 64**  
**Industrial Technology-Option Semester Hours**

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**Student Success Seminar 1**  
 Educ 1111

**Communications 6**  
 Engl 1113-Freshman Engl. I  
 Engl 1213-Freshman Engl II  
 Comm 1113-Speech Communication

**American History and Government 6**  
 Hist 1313-U.S. Hist. 1492-1877 OR  
 Hist 1323-U.S. Hist. 1877-Present  
 Pols 1013-American Government

**Guided Electives 7**  
 Science, Humanities, Religion, Mathematics, Commu-  
 nications, Behavioral Science, Economics, Marketing,  
 or CIS

**Technical-Specialty Courses 29**

**Required Core (20)**  
 Indt 1012-Drafting Tech.  
 Indt 1013-Woodworking Fund.  
 Indt 1103-Applied Electricity I  
 Indt 1222-General Metal Proc.  
 Indt 1432-Oxy. Acetylene Welding  
 Indt 2013-Machine Wood Tech.  
 Indt 2113-Intro. to CAD  
 Indt 3322-Arc Welding

**Electives from (9)**  
 Indt 2223-Intro. to Comp. Num. Control  
 Indt 2233-Intro. to Robotics  
 Indt 3123-Adv. CAD  
 Indt 3413-Foundry and Forge Mfg. Proc.  
 Indt 3633-Furn. and Cabinetmaking  
 Indt 3643-Power Mech. I  
 Indt 3653-Power Mech. II  
 Indt 3923-Arch. Drafting  
 Indt 4021-Ind. Tech. Org. & Mngt.  
 Indt 4213-Finishing and Surface Treatment  
 Indt 4513-Care of Shop

**Support and Related Courses 15**

Courses that are guided electives which enhance  
 the degree curriculum. These courses are required  
 to bring the total to 64 hours for graduation.



*A technology student puts time into woodworking project.*

**Faculty Contact** Larry Hough  
 Head, Department of Industrial Technology  
 Associate Professor of Industrial Technology  
 Carter Hall 205/Metal Shop 103  
 Phone: (580) 349-1448  
 E-mail: lhough@opsu.edu

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<b>Technology (AAS)</b>	<b>64</b>
<b>Metal Technology-Option</b>	<b>Semester Hours</b>

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<b>Student Success Seminar</b>	<b>1</b>
Educ 1111	
<b>Communications</b>	<b>6</b>
Engl 1113-Freshman English I	
Engl 1213-Freshman English II	
Comm 1113-Speech Communication	
<b>American History and Government</b>	<b>6</b>
Hist 1313-U.S. Hist. 1492-1877 OR	
Hist 1323-U.S. Hist. 1877-Present	
Pols 1013-American Government	
<b>Guided Electives</b>	<b>7</b>
Science, Humanities, Religion, Mathematics, Communications, Behavioral Science, Economics, Marketing, or CIS	
<b>Technical-Specialty Courses</b>	<b>29</b>
<b>Required Core (20)</b>	
Indt 1012-Drafting Technology	
Indt 1013-Woodworking Fund.	
Indt 1103-Applied Elect. I	
Indt 1222-General Metal Proc.	
Indt 1432-Oxy. Acetylene Welding	
Indt 2013-Machine Wood Tech.	
Indt 2113-Intro. to CAD	
Indt 3322-Arc Welding	
<b>Electives (9)</b>	
Indt 2223-Intro. to CNC	
Indt 2233-Intro. to Robotics	
Indt 2100-Select Topics	
Indt 3413-Foundry Frge. Mfg .Proc.	
Indt 4021-Ind. Tech. Org. & Mngt.	
Indt 4032-Machine Tool Practice	
Indt 4623-Welding Proc. and Metallurgy	
<b>Support and Related Courses</b>	<b>15</b>
Courses that are guided electives which enhance the degree curriculum. These courses are required to bring the total to 64 hours for graduation.	

**Faculty Contact** Larry Hough  
 Head, Department of Industrial Technology  
 Associate Professor of Industrial Technology  
 Carter Hall 205/Metal Shop 103  
 Phone: (580) 349-1448  
 E-mail: lhough@opsu.edu

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<b>Technology (AAS)</b>	<b>64</b>
<b>Technology-Option</b>	<b>Semester Hours</b>

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To be admitted to candidacy for the degree, the student must have completed a one-year technical program at an institution accredited by a regional accrediting agency. If the credit earned is from a non-accredited institute, the student transferring to OPSU must use the same procedure as regular college students from non-accredited institutions. Vocational technical transferred credit will be granted upon completion of graduation requirements.

<b>Student Success Seminar</b>	<b>1</b>
Educ 1111	
<b>Communication</b>	<b>6</b>
Engl 1113-Freshman English I	
Engl 1213-Freshman English II	
Comm 1113-Speech Communication	
<b>American History and Government</b>	<b>6</b>
Hist 1313-U.S. Hist. 1492-1877 OR	
Hist 1323-U.S. Hist. 1877-Present	
Pols 1013-American Government	
<b>Guided Electives</b>	<b>7</b>
Science, Humanities, Religion, Mathematics, Communications, Behavioral Science, Economics, Marketing, or CIS	
<b>Technical Specialty</b>	<b>29-32</b>
Transferred from an approved technical program	
<b>Support and Related Courses</b>	<b>12-15</b>
Courses that are guided electives which enhance the degree curriculum. These courses are required to bring the total to 64 hours for graduation.	

## Pre-Professional Programs

As a service to those students who find it economical and convenient to attend this university for two or three years before they enter professional schools, OPSU offers pre-professional courses.

This section lists such courses generally required by professional schools. It is suggested, however, that the pre-professional student follow explicitly the requirements found listed in the catalog of the school of his/her choice.

**These plans of study do not qualify as a major for OPSU.**

### Pre-Engineering

The student who wishes to earn an Engineering degree may follow one of the two-year plans outlined in this section. She/he may complete the requirements for the engineering degree in four years—two at OPSU and two elsewhere.

Students making satisfactory scores on advanced standing examinations in college algebra and trigonometry may follow plan A. Other students must follow plan B.

#### Recommended Plan of Study

##### Plan A

##### Freshman Year

First Semester	Credit
Chem 1135-General Chemistry	5
Engl 1113-Freshman English	3
Educ 1111-Student Success Seminar	1
Indt 1012-Drafting Technology	2
Math 1824-Calculus I	4
Electives	<u>1-2</u>
	16-17

Second Semester	Credit
Chem 1232-General Chemistry Lab	2
Engl 1213-Freshman English	3
Math 2424-Calculus II	4
Psyc 1113-General Psychology	3
Chem 1223-General Chemistry	3
Electives	<u>1-2</u>
	16-17

#### Sophomore Year

First Semester	Credit
Hist 1313-U.S. History 1492-1877	3
Phys 1011-Basic Lab I	1
Phys 2014-General Physics	4
Recommended Electives	
Math 4413-Differential Equations	3
Humanities	<u>4-7</u>
	15-18

Second Semester	Credit
Pols 1013-American Government	3
Phys 1021-Basic Lab II	1
Phys 2114-General Physics II	4
Recommended Electives	
Humanities	2-5
Economics	3
Other Electives or Gen Ed	1-3
HPER Activity	<u>1-2</u>
	15-21

#### Plan B Freshman Year

First Semester	Credit
Chem 1135-General Chemistry	5
Engl 1113-Freshman English	3
Educ 1111-Student Success Seminar	1
Indt 1012-Drafting Technology	2
Math 1513-College Algebra	3
Recommended Electives	1-2
Hist 1313-U.S. History 1492-1877	<u>3</u>
	18-19

Second Semester	Credit
Chem 1223-General Chemistry	3
Chem 1232-General Chemistry Lab	3
Engl 1213-Freshman English	3
Math 1613-Plane Trigonometry	3
Math 1813-Analytic Geometry	2
Comm 1113-Speech Communications	3
Recommended Electives	
Pols 1013-American Government	<u>3</u>
	20

**Sophomore Year**

<b>First Semester</b>	<b>Credit</b>
Math 1824-Calculus I	5
Phys 1011-Basic Lab	1
Phys 2014-General Physics I	4
Recommended Electives	
Humanities	2-5
Psyc 1113-General Psychology	3
HPER Activity	<u>1-2</u>
	16-20
<b>Second Semester</b>	<b>Credit</b>
Math 2424-Calculus II	5
Phys 1021-Basic Lab II	1
Phys 2114-General Physics II	4
Recommended Electives	
Humanities	5
PE Activity	<u>1-2</u>
	16-17

**Pre-Law**

Law schools have a wide variety of requirements that make it advisable for prelaw students to plan their undergraduate program with a particular law school in mind. However, most law schools will accept good students with undergraduate degrees in any one of a variety of majors such as English, Business Administration, Accounting, History, Economics, or any other strongly academic program. The most important criteria include a good academic record and a high score on the LSAT test.

**Pre-Professional Curricula for Health Related and Other Biological Fields**

Students planning to enroll in a health related or biological fields should allow themselves a two, three, or four-year course of study at OPSU. All or the majority of the courses taken during this period will transfer to institutions offering the professional degrees in the specific area. It is recommended that a study plan for a degree in Biology, Chemistry, Computer Information Systems, Animal Science, or Natural Science be followed while enrolled in a pre-professional curriculum to allow a student an alternative in case she/he fails to pursue the professional degree.

**Pre-Dental**

The standard dental college requires not less than 60 semester hours of college work for entrance and a minimum GPA of 2.0 on a 4.0 scale. Coursework should include the following:

Calculus	4 hours
Biology	8 hours
English	6 hours
Inorganic Chemistry	8 hours
Organic Chemistry	8 hours
Physics	8 hours

Elective courses:

Biology, Economics, Philosophy, Political Science, Psychology, Sociology, Speech, Computer Science, or Business

**Pre-Dental Hygiene**

Individuals with bachelor's degrees in dental hygiene are qualified to provide direct limited services, under the direct supervision of a dentist or group of dentists, to patients seeking dental care. They are also qualified to instruct in dental health in public and private institutions as well as filling positions as clinical instructors and administrators.

Most schools granting dental hygiene degrees require two years (60 hours) of general study prior to making application for admission. Students must have a minimum GPA of 2.5 on a 4.0 scale. The following courses are suggested:

U.S. History and Political Science	6 hours
Biology	18 hours
English	6 hours
Sociology	3 hours
Inorganic Chemistry	5 hours
College Algebra and Statistics	6 hours
Psychology	6 hours
Speech Communications	3 hours
Nutrition	3 hours

Elective courses:

History, Biology, Business, English, Health, Foreign Language, Computer Science, two years. HS Language or two College Semesters, Western Civilization, and Humanities.

### The Physicians' Associate Program

The program is designed to educate students to become physicians' associates who can function at the sophisticated level of competence in order that they may increase the efficiency of physicians in a variety of medical settings. The associates will work under the supervision of licensed physicians to provide service within limitations provided by law. The associates will have the mobility to assist physicians in their hospital endeavors or office practices in performing procedures or tasks formerly undertaken by the physician.

A student may take at least 90 hours of work at an accredited college or university before transferring to an institution granting this degree. A minimum GPA of 2.75 on a 4.0 scale is required. The following courses are suggested for the first six semesters of college work:

Freshman English	6 hours
Political Science and U.S. History	6 hours
Biology	22 hours
Chemistry	10 hours
Physics	5 hours
Trigonometry	3 hours
Electives	38 hours

### Pre-Medical

The standard medical college requires a baccalaureate degree for admission. Students must present evidence that they have attained an average of 3.0 grade points per credit hour in the prescribed subjects with not less than a C in any prescribed subject in order to be eligible for consideration by a committee of admission.

A reading knowledge of a modern language is desirable, and the prospective student of medicine is advised to take at least one modern language for its practical and cultural value. The following courses are required:

Biology	12 hours
Freshman English	6-9 hours
Inorganic Chemistry	10 hours
Organic Chemistry	10 hours
Physics	10 hours
Political Science & U.S. History	6 hours
Electives	9 hours

Courses in Modern Languages, Business, Psychology, Sociology, Philosophy, Computer Science, and Political Science are desirable. MCAT is required.

### Pre-Nursing

Students desiring to enter the AAS or BSN Nursing program's at OPSU may complete prerequisite and corequisite courses prior to entering nursing courses.

Some students may wish to complete prerequisite courses before transferring to another institution to complete their program (LPN or four year BSN). It is highly recommended that the student seek advisement from the desired institution and the OPSU Nursing program before taking courses for transfer because nursing programs require diverse prerequisites.

### Pre-Optometry

Most colleges of optometry require three years of college work (90 or more semester hours) with a 2.5 GPA for admission. The following courses are required:

Calculus I	4 hours
Biology	2-16 hours
Freshman English	6 hours
Inorganic Chemistry	10 hours
Organic Chemistry	10 hours
Physics	8 hours
Computer Science	3 hours
Political Science and U.S. History	6 hours

A student may satisfactorily follow the regular degree program with a major in Biology or Chemistry. MCAT is required.

### Pre-Pharmacy

The colleges of pharmacy require that three of the five years for a bachelor's degree in pharmacy be spent at a college of pharmacy. The first two years may be spent at another college. The curriculum for those two years should include the following:

Political Science and U.S. History	6 hours
Biology	9-10 hours
Trigonometry	3 hours
Freshman English	6 hours
Inorganic Chemistry	10 hours
Organic Chemistry	10 hours
Physics	5 hours
Mathematics	4 hours

Elective courses selected from:  
Biology, Economics, Sociology, Business, Computer Science, Psychology, History, or Humanities.

### Pre-Veterinary Medicine

The standard veterinary medical college requires not less than 60 semester hours, exclusive of military training and physical education and a minimum GPA of 2.80 on a 4.0 scale. The minimum requirements of the Pre-Veterinary Medicine courses are:

Political Science and U.S. History	6 hours
Biology	16 hours
Trigonometry	4 hours
Genetics	3 hours
English	6 hours
Inorganic Chemistry	10 hours
Organic Chemistry	8-10 hours
Biochemistry	4 hours
Physics	5-10 hours
Animal Nutrition	5 hours
Technical Writing or equivalent	3 hours
Humanities/Social Science	3 hours

Elective courses selected from:

Accounting, Animal Science, Biology, Business, Business Law, Chemistry, Economics, Psychology, Sociology, or Speech Communications.

### Occupational Therapy

Occupational therapy is a health profession which contributes to the physical and emotional independence and well-being of an individual through the use of selected activity.

The student entering this profession must have an affection for people, an insight into human relationships, emotional stability, and a sympathetic attitude toward illness and disability.

Students entering this field can take two years of prerequisites of 60 hours and have a GPA of 2.5 on a scale of 4.0 before transferring to a school granting a degree in occupational therapy. A grade of C is required on prerequisite courses. Recommended courses include the following:

Biology	10 hours
English	6 hours
Humanities/Fine Arts	12 hours
Physics	5 hours
Social and Behavioral Science	12 hours
Political Science and U.S. History	6 hours
Statistics	3 hours
Medical Vocabulary	2 hours
Electives	9 hours

### Physical Therapy

Physical Therapy is a field of specialized allied health care. Physical Therapy deals not only with the early stages of treatment but also with long range care and planning of realistic goals for the rehabilitation of patients with certain disabilities.

The following are basic requirements to be taken prior to application to a school for completion of a degree. A minimum of 64 semester hours with a GPA of 2.75 on a 4.0 scale and a grade of C or better in all courses. Also required will be the results of the Allied Health Professions Admissions (AHPA) test.

Biology	13-14 hours
Physical Sciences	15 hours
Freshman English and Speech	9 hours
Foreign Language	6-8 hours
Humanities	6-9 hours
Political Science and U.S. History	6 hours
Social Science	9 hours
Statistics	3 hours

Elective Courses selected from:

Mathematics, Economics, Humanities, Nutrition, Sociology, Psychology, First Aid, or Computer Science.

# Baccalaureate Programs

## School of Agriculture

**Dean:** Peter K. Camfield  
 Professor of Animal Science  
 214 Sewell-Loofbourrow  
 Phone: (580) 349-1514  
 E-mail: pcamfield@opsu.edu

The School of Agriculture offers programs of study leading toward the Bachelor of Science degree in Agribusiness, Vocational Agricultural Education, Agronomy, and Animal Science. Two-year Associate of Applied Science degrees in Farm and Ranch Management along with a two-year Associate of Science degree in Agriculture. Agriculture research is conducted by the school through the Oklahoma Panhandle Research and Extension Center.

### Agribusiness

**Faculty Contact** John P. Townsend  
 Associate Professor of Agriculture  
 214 Sewell-Loofbourrow  
 Phone: (580) 349-1502  
 E-mail: jtownsend@opsu.edu

The School of Agriculture in cooperation with the School of Business offers a program leading to a Bachelor of Science degree in Agribusiness. The requirements for the degree are outlined in this section.

<b>Agribusiness (BS)</b>	
	<b>124 Semester Hours</b>
<b>General Education</b>	<b>41</b>
<b>Plant Science</b>	<b>7</b>
Agm 1213-Fundamentals of Plant Science	
Agm 2124-Fundamentals of Soil Science	
<b>Animal Science</b>	<b>7</b>
Ansi 1124-Intro to Ani Sci	
Ansi 2123-Livestock Feeding	
<b>Agriculture</b>	<b>4</b>
Ag 1011-Intro to Ag Ind	
Ag 4983-Ag Marketing	

<b>Business</b>	<b>18</b>
Acct 2103-Elements of Acct	
Badm 3123-Business Law I	
OR	
Badm 3323-Business Law II	
Cis 2113-Intro to CIS	
Cis 2223-Micro Appl for Bus Dec	
Mktg 3913-Prin of Marketing	
OR	
Ag 3213-Quantitative Agriculture Economics	
Mgmt 3813-Prin of Management	
OR	
Ag 3144-Modern Agricultural Management	
<b>Agriculture Electives</b>	<b>14</b>
<b>Business Electives</b>	<b>12</b>
<b>General Electives</b>	<b>21</b>

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.

### Minor

Upon completion of the Agribusiness major, students must have sufficient courses to fulfill minor requirements in any field in which a minor is offered. Hours designated for the chosen minor are included in the 124 semester hours required for the major.

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### Agriculture Economics (Minor)

**18 Semester Hours**

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#### SUGGESTED COURSES:

Ag 4983- Agricultural Marketing  
 Ag 3144- Modern Agricultural Management  
 Ag 3573- Money and Banking  
 Ag 3113- Intermediate Microeconomics  
 Ag 3123- Intermediate Macroeconomics  
 Ag 3213- Quantitative Agricultural Economics



## Agriculture Education

**Faculty Contact:** Peter K. Camfield  
 Dean, School of Agriculture  
 Professor of Animal Science  
 214 Sewell-Loofbourrow  
 Phone: (580) 349-1514  
 E-mail: [pcamfield@opsu.edu](mailto:pcamfield@opsu.edu)

**Agriculture Education (BS) 124-125**  
**Semester Hours**

**General Education 42**

**Communications 9**

\*Engl 1113-Freshman English I

\*Engl 1213-Freshman English II

\*Comm 1113-Speech Communication

**Mathematics 3**

\*Choose at least one from the following:

Math 1473-Math for Critical Thinking

Math 1513-College Algebra

**History and Political Science 6**

\*Pols 1013-American Government

\*Choose at least one from the following:

Hist 1313-U.S. History 1492-1877

Hist 1323-U.S. History 1877-Present

**Natural Science 8**

\*Biological Science - four hours

\*Physical Science - four hours

**Social and Behavioral Sciences 6**

Choose at least one course from:

Sociology/Psychology

Economics

\*Ag/Econ 2343-Agricultural Economics

**Cross Cultural 3**

Educ 2233-Diversity in Education

**Humanities 6**

\*Choose six hours from the following areas: philosophy, humanities, music appreciation, art appreciation, literature, introduction to theater, world history, music history, world religion, others as approved by the Vice President for Academic Affairs. (Must include courses from two areas. No activity courses will count)

**Student Success 1**

\*Educ 1111-Student Success Seminar

**Agriculture Education Major Course Work 46 hours**

Ag 1011-Introduction to the Agriculture Industry

Ag 1124-Farm and Ranch Management

Ag 4983-Agricultural Marketing

Agme 1432-Oxy-Acetylene Welding

Agme 3463-Power Mechanics I

Agmn 1213-Fundamentals of Plant Science

Agmn 2124-Fundamentals of Soil Science

Agmn 3223-Grain, Oil Seeds, and Pulse Crops

Agmn 3333-Natural Resource Conservation

Agmn 4113-Fundamentals of Weed Science

Ansi 1124-Introduction to Animal Science

Ansi 2182-Meat Evaluation, Classification and Grade  
OR

Ansi 3113-Livestock Judging and Meat Animal  
Evaluation

Ansi 2213-Retail Meat Cutting  
OR

Ansi 3333-Meats

Ansi 4543-Sheep Science and Management  
OR

Ansi 4613-Beef Production and Management  
OR

Ansi 4643-Swine Production and Management  
OR

Equi 3644-Horse Science

Ansi 4862-Animal Science Seminar

Ansi 4902-Special Topics

**Professional Education 33 hours**

Aged 3103-Introduction to Teaching Agriculture  
Education

Aged 3203-Planning the Community Program

Educ 3213-Human Development: Child and Adoles-  
cent Psychology

\*Aged 4103-Methods of Teaching and Management  
in Agriculture Education

\*Educ 3233-Education of the Exceptional Child

\*Educ 4313-Educational Psychology

\*Educ 4333-Educational Technology

**\*Restricted Classes - Must be admitted to  
Teacher Education Program prior to enrolling.**

\*\*Educ 4362-Educational Tests and Measurements

\*\*Educ 4720-Student Teaching in Secondary Schools

**\*\*Restricted Classes - Must Be Admitted To  
Professional Semester Prior To Enrolling.**

**Competency in Foreign Language 3-4 hours**

All students must show competency in a foreign  
language at the novice level by:

- Passing a three (minimum) college level foreign language course with a C or better, or
- Passing the OPSU Foreign Language Competency Oral Examination.

**Please refer to pages 116-124 for information  
about the OPSU Teacher Education Program.**

## Agronomy

### Faculty Contact

Daniel M. Baker  
 Professor of Agronomy  
 315 Sewell-Loofbourrow  
 Phone: (580)349-1506  
 Email: dbaker@opsu.edu

Courses in Agronomy provide fundamental and applied studies in the development and utilization of field crops and the origin, management, and conservation of soil.

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<b>Agronomy (BS)</b>	<b>124</b>
	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
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Ag 1011-Introduction to the Ag Industry	1
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<b>Agronomy</b>	<b>30</b>
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Agrn 1213-Fund of Plant Sci	
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Agrn 2124-Fund of Soil Sci	
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Additional Agronomy Electives to total 30 hours	
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<b>Elective Hours</b>	<b>44</b>
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Agriculture Education	
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Animal Science	
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General Agriculture	
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Biology	
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Business	
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Chemistry	
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CIS or Industrial Technology	
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<b>Controlled Electives</b>	<b>9</b>
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<b>Agronomy (Minor)</b>	<b>18 Semester Hours</b>
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### Agronomy

At least one-third of the courses must be upper level courses.

## Animal Science

**Department Head** Aaron Preator  
 Assistant Professor of Animal Science  
 Sewell-Loofbourrow 215  
 Phone: (580) 349-1508  
 E-mail: apreator@opsu.edu

Animal Science offers practical and technical instruction and training in the selection, breeding, feeding, management, and marketing of all major types of purebred and commercial farm livestock. Instruction in meat science and technology is also emphasized in the areas of fresh and processed meat products.

The department maintains purebred herds of Hereford and Angus beef cattle, flock of sheep, and a small commercial swine herd. A breeding band of Quarter Horses is also maintained for laboratory and class use. Additionally, the Firestone Meats Lab further enables students to receive training in meat science.

The principle goal of the department is to give the student a thorough working knowledge in the general area of livestock and associated industries; therefore, most laboratory assignments are conducted at the university farm. Students are placed in close contact with various issues confronting producers in the High Plains.

A student may earn a Bachelor of Science degree in Animal Science. Requirements for the degree are outlined in this section. Students also have the option of earning a minor in animal science.

	<b>99</b>
<b>Animal Science (BS)</b>	<b>124</b>
<b>General Animal Science</b>	<b>Semester Hours</b>
<b>General Education</b>	<b>41</b>
<b>Major</b>	<b>29 - 30</b>
Ag 1011-Intro to Ag Ind	
Ansi 1124-Intro to An Sci	
Ansi 2182-Meat Eval OR	
Ansi 3113-Livestock Judg. and Anim. Eval.	
Ansi 2442-Art. Insem. of Farm Animals	
Ansi 3333-Meats	
Ansi 3543-Animal Nutrition	
Ansi 3643-Appl Animal Nutrition	
Ansi 4333-Lvstk. Breeding and Impr.	
Ansi 4433-Animal Reproduction	
Ansi 4463-Meat Science	
Ansi 4862-Animal Science Seminar	
<b>Agriculture Economics</b>	<b>3</b>
Econ 2343-Ag Econ	
<b>Agronomic Electives</b>	<b>7</b>
<b>Chemistry</b>	<b>9-10</b>
*Chem 1135-General Chem I	
*Chem 2015-Gen. Organic Chem.	
(or 4-hour physical science course)	
<b>Biology</b>	<b>8</b>
*Biol 1304-Principles of Biology I	
OR	
*Biol 1504-Principles of Biology II	
Biol elective (4 credit hours)	
<b>General Animal Science</b>	<b>16</b>
<b>Co-requisite requirements</b>	
Cis 2113-Intro to CIS	
<b>Controlled Electives</b>	<b>9-11</b>
Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.	
<b>Minor</b>	
Upon completion of the animal science major, the student will have sufficient courses for a minor in natural science. Hours designated for the chosen minor are included in the 124 semester hours required for the major.	
<b>Animal Science (Minor)</b>	<b>18 Semester Hours</b>
Ansi 1124-Intro to An Sci	<b>4</b>
Ansi electives	<b>14</b>
1/3 of courses must be upper-level	

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<b>Animal Science (BS)</b>	<b>124</b>
<b>Business Option</b>	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
<b>Major</b>	<b>29 - 30</b>

Ag 1011-Introduction to Agriculture Industry  
 Ansi 1124-Introduction to Animal Science  
 Ansi 2182-Meat Evaluation OR  
 Ansi 3113-Livestock Judging and Meat Eval.  
 Ansi 2442-Artificial Insem. of Farm Animals  
 Ansi 3333-Meats  
 Ansi 3543-Animal Nutrition  
 Ansi 3643-Applied Animal Nutrition  
 Ansi 4333-Livestock Breeding & Improvement  
 Ansi 4433-Animal Reproduction  
 Ansi 4463-Meat Science  
 Ansi 4862-Animal Science Seminar

<b>Agriculture Economics</b>	<b>3</b>
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Econ 2343-Agriculture Economics

<b>Agronomic Electives</b>	<b>7</b>
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<b>Biology</b>	<b>8</b>
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Biol 1304-Principles of Biology I  
 OR

Biol 1504-Principles of Biology II

Biol elective (4 credit hours)

<b>Chemistry</b>	<b>9 - 10</b>
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Chem 1135-General Chemistry I  
 Chem 3015-General Organic Chemistry  
 (or 4 hour physical science course)

<b>Business (select from)</b>	<b>21</b>
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Acct 2103-Elements of Accounting I

Badm 3123-Business Law I OR

Badm 3323-Business Law II

Cis 2113-Introduction to CIS

Cis 2223-Micro Applications

Mgmt 3813-Principles of Management

Mktg 3913-Principles of Marketing

Ag 4983-Agriculture Marketing

<b>Animal Science Electives</b>	<b>4-6</b>
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<b>Controlled Electives</b>	
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Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.

**Minor**

Upon completion of the Animal Science major, the student will have sufficient courses for a minor in natural science. Hours designated for the chosen minor are included in the 124 semester hours required for the major.

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<b>Animal Science (BS)</b>	<b>124</b>
<b>Livestock Production and Management</b>	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
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<b>Major</b>	<b>29 - 30</b>
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Ag 1011-Introduction to Agriculture Industry  
 Ansi 1124-Introduction to Animal Science  
 Ansi 2182-Meat Evaluation OR  
 Ansi 3113-Livestock Judging and Meat Eval.  
 Ansi 2442-Artificial Insem. of Farm Animals  
 Ansi 3333-Meats  
 Ansi 3543-Animal Nutrition  
 Ansi 3643-Applied Animal Nutrition  
 Ansi 4333-Livestock Breeding & Improvement  
 Ansi 4463-Meat Science  
 Ansi 4433-Animal Reproduction  
 Ansi 4862-Animal Science Seminar

<b>Agriculture Economics</b>	<b>3</b>
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Econ 2343-Agriculture Economics

<b>Agronomic Electives</b>	<b>7</b>
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<b>Biology</b>	<b>8</b>
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Biol 1304-Principles of Biology I  
 OR

Biol 1504-Principles of Biology II

Biol elective

<b>Chemistry</b>	<b>9 - 10</b>
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Chem 1135-General Chemistry I  
 Chem 3015-General Organic Chemistry  
 (or 4 hour physical science course)

<b>Management (select from)</b>	<b>6</b>
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Mgmt 3813-Principles of Management

Mgmt 3873-Small Business Management

Mktg 3913-Principles of Marketing

Ag 3144-Modern Agriculture Management

<b>Additional courses</b>	<b>19-21</b>
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from Animal Science, Agriculture, Biology, Chemistry, Business, or CIS.

<b>Controlled Electives</b>	
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Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.

**Minor**

Upon completion of the Animal Science major, the student will have sufficient courses for a minor in natural science. Hours designated for the chosen minor are included in the 124 semester hours required for the major.

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<b>Animal Science (BS)</b>	<b>124</b>
<b>Meat Science Option</b>	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
<b>Major</b>	<b>29 - 30</b>

Ag 1011-Introduction to Agriculture Industry  
 Ansi 1124-Introduction to Animal Science  
 Ansi 2182-Meat Evaluation OR  
 Ansi 3113-Livestock Judging and Meat Eval.  
 Ansi 2442-Artificial Insem. of Farm Animals  
 Ansi 3333-Meats  
 Ansi 3543-Animal Nutrition  
 Ansi 3643-Applied Animal Nutrition  
 Ansi 4333-Livestock Breeding & Improvement  
 Ansi 4433-Animal Reproduction  
 Ansi 4463-Meat Science  
 Ansi 4862-Animal Science Seminar

<b>Agronomic Electives</b>	<b>7</b>
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<b>Agriculture Economics</b>	<b>3</b>
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Econ 2343-Agriculture Economics	
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<b>Chemistry</b>	<b>9 - 10</b>
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Chem 1135-General Chemistry I  
 Chem 3015-General Organic Chemistry  
 (or four hours physical science course)

<b>Biology</b>	<b>8</b>
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Biol 1304-Principles of Biology I  
 OR

Biol 1504-Principles of Biology II

Biology elective

<b>Meat Science (select from)</b>	<b>16</b>
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Ansi 2112-Introduction Live Animal Eval.  
 Ansi 2213-Retail Meat Cutting  
 Ansi 3242-Livestock Judging & Meat Eval.  
 Ansi 4113-Animal Anatomy and Physiology  
 Ansi 4613-Beef Production & Management  
 Ansi 4753-Advanced Meat Animal Evaluation  
 Ansi 4902-Animal Science Problems  
 Biol 3314-Microbiology  
 Ag 4983-Agriculture Marketing  
 Cis 2113-Introduction to CIS

<b>Controlled Electives</b>	<b>9-11</b>
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Sufficient courses to bring total hours to 124 and upper level courses to a minimum of 40 hours.

**Minor**

Upon completion of the Animal Science major, the student will have sufficient courses for a minor in natural science. Hours designated for the chosen minor are included in the 124 semester hours required for the major.

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<b>Animal Science (BS)</b>	<b>124</b>
<b>Nutrition Option</b>	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
<b>Major</b>	<b>29 - 30</b>

Ag 1011-Introduction to Agriculture Industry  
 Ansi 1124-Introduction to Animal Science  
 Ansi 2182-Meat Evaluation OR  
 Ansi 3113-Livestock Judging and Meat Eval.  
 Ansi 2442-Artificial Insem. of Farm Animals  
 Ansi 3333-Meats

Ansi 3543-Animal Nutrition

Ansi 3643-Applied Animal Nutrition

Ansi 4333-Livestock Breeding & Improvement

Ansi 4433-Animal Reproduction

Ansi 4463-Meat Science

Ansi 4862-Animal Science Seminar

<b>Agronomic Electives</b>	<b>7</b>
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<b>Agriculture Economics</b>	<b>3</b>
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Econ 2343-Agriculture Economics	
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<b>Chemistry</b>	<b>9-10</b>
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Chem 1135-General Chemistry I  
 Chem 3015-General Organic Chemistry  
 (or four hour physical science course)

<b>Biology</b>	<b>8</b>
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Biol 1304-Principles of Biology I  
 OR

Biol 1504-Principles of Biology II

Biology elective

<b>Nutrition (select from)</b>	<b>16</b>
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Ansi 2112-Introduction Live Animal Eval.  
 Ansi 3624-Horse Science  
 Ansi 4113-Animal Anatomy and Physiology  
 Ansi 4543-Sheep Science  
 Ansi 4643-Swine Production & Management  
 Ansi 4613-Beef Production & Management  
 Ansi 4753-Adv. Meat Animal Evaluation  
 Ansi 4902-Animal Science Problems

<b>Controlled Electives</b>	<b>9-11</b>
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Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.

**Minor**

Upon completion of the animal science major, the student will have sufficient courses for a minor in Natural Science. Hours designated for the chosen minor are included in the 124 semester hours required for the major.

## Equine Science

**Faculty Contact:** Dr. Peter K. Camfield  
 Dean, School of Agriculture  
 Professor of Animal Science  
 Sewell-Loofbourrow 214  
 Phone: (580) 349-1514  
 E-mail: pcamfield@opsu.edu

The Equine Science program has a multidisciplinary approach which combines specialized Equine Science courses with the core nutrition, reproduction and physiological animal science courses. Students are also required to take a number of core business courses that are applicable to the equine industry. This curriculum is designed to produce a graduate with the technical knowledge in equine handling, training and care. The business coursework lays the foundation for understanding the business side of the equine industry.

A grade of C or better is required for all courses within the major. Overall GPA of 2.0 is required for graduation.

Equine Science (BS)	125 Semester Hours
<b>General Education</b>	<b>41</b>
<b>Major</b>	<b>28</b>
Ansi 1124-Introduction to Animal Science	
Equi 1123-Introduction to Equine Science	
Equi 1132-Equine Evaluation	
Equi 1223-Introduction to Equine Training and Care	
Equi 2003-Colt Breaking and Training	
Equi 3644-Horse Science	
Equi 4003-Advanced Horse Training	
Equi 4000-Equine Industry Internship (6 hours)	
<b>Animal Science</b>	<b>23</b>
Ansi 2123-Livestock Feeds and Feeding	
Ansi 2442-Artificial Insemination	
Ansi 3113-Livestock Judging and Meat Animal Evaluation	
Ansi 3543-Animal Nutrition	
Ansi 4113-Animal Anatomy and Physiology	
Ansi 4333-Livestock Breeding and Improvement	
Ansi 4433-Animal Reproduction	
Ansi 4773-Advanced Non-Ruminant Nutrition	
<b>Business</b>	<b>18</b>
Acct 2103-Financial Accounting	
Ag 3144-Modern Agriculture Management	
Ag 4983-Agriculture Marketing	
Badm 3023-Technical Writing	
Badm 3123-Business Law I	
OR	
Badm 3173-Business Communications	
Badm 3323-Buisness Law II	
Mgmt 3813-Principles of Management	
<b>Electives</b>	<b>15</b>
Equi 1104-Introduction to Horsemanship	
Equi 2124-Intermediate Farrier Science	
Equi 3124-Advanced Farrier Science	
Equi 4103-Specialized Horse Training	
<b>Minor</b>	
Upon completion of the Equine Science major, the student will have sufficient courses for a minor in Animal Science. Hours designated for the chosen minor are included in the 125 semester hours required for the major.	

## School of Business and Technology

**Dean:** Diane Murphey, CDP/CNA  
 Professor, Computer Information Systems  
 Carter Hall 104C  
 Phone: (580) 349-1446  
 E-mail: diane@opsu.edu

The study of Business Administration at OPSU is based on the curriculum of five business degrees: Accounting, Business Administration (with concentrations in General Business, Management, Marketing, and Finance), Business Education, Computer Information Systems, Industrial Technology (with options in Industrial Technology and Industrial Management), and Technology (with an option in Computer Graphics). A common core curriculum of business courses was developed for all majors in Business, Accounting, and Computer Information Systems. Two-year degree programs offered include: Associate of Science in Business Administration, and Computer Information Systems, Associate of Applied Science in Technology (with options in Drafting, Industrial Technology, Metal Technology, Firefighting, and Technology).



*United Space Alliance Employees and OPSU CIS Alumni  
 David Montoya and Carl Huddleston.*

### Department of Accounting

**Department Head** Mindy M. Davis  
 Associate Professor, Accounting  
 Carter Hall 101  
 Phone: (580) 349-1444  
 E-mail: mindy@opsu.edu

The Department of Accounting offers the Bachelor of Business Administration degree with a major in Accounting. An accounting degree provides great flexibility in career opportunities. Employment possibilities in the accounting profession are expected to continue to grow and expand.

All companies use accounting expertise; therefore, an abundance of job opportunities exist in large cities and small towns. Accounting graduates may decide to work for a business or government agency as an accountant, an internal auditor, or a comptroller. Experience in private and public accounting provides excellent training for top management positions in industry and governmental agencies. An accounting graduate may also decide to obtain necessary licensing and establish their own accounting practice. Services can include not only tax information but also auditing and consulting.

The Department of Accounting will prepare students to work in public accounting, private accounting, and governmental accounting areas. In 2003, the Oklahoma State Board of Public Accountancy implemented the 150 hour rule. A student will still be able to graduate with 124 hours from OPSU, but will not be qualified to sit for the CPA exam until 150 hours are completed. The Accounting majors seeking CPA certification will be advised in designing a 150 hour professional program that will meet the appropriate state requirements and enhance marketability.

Accounting and AIS majors are required to complete macroeconomics, microeconomics, and college algebra for graduation. A grade of C or better is required for each course in the common Business Core and all accounting/AIS classes. A GPA of 2.0 for School of Business electives and an overall GPA of 2.0 is required for graduation.

All common business core and accounting courses must be completed with a grade of "C" or better.

**Accounting (BBA) 124 Semester Hours****General Education 41****Major****Common Business Core 36**

Acct 2103-Financial Accounting  
 Acct 2203-Managerial Accounting  
 Badm 2123-Microeconomics  
 Badm 3123-Business Law I  
 Badm 3173-Business Communications  
 Badm 3613-Statistics  
 Badm 4603-Business Ethics  
 Cis 2013-Information Systems for Business  
 Cis 2223-Micro Appl for Bus Dec  
 Fin 3773-Business Finance I  
 Mgmt 3813-Prin of Management  
 Mktg 3913-Prin of Marketing

**Accounting 24**

Ais 3013-Introduction to AIS  
 Acct 3203-Elementary Cost Accounting  
 Acct 3303-Intermediate Accounting  
 Acct 3403-Advanced Intermediate Accounting  
 Acct 4013-Income Tax Proc. I  
 Acct 4303-Public Sector Accounting  
 Acct 4503-Auditing  
 Badm 3323-Business Law II

**Accounting Electives 15**

Choose from any upper division Acct or AIS course except Acct 3503.

Acct 4023-Income Tax Proc. II  
 Acct 4033-Tax Research  
 Acct 4203-Advanced Cost Acct.  
 Acct 4403-Advanced Accounting  
 Acct 4000-Problems  
 Acct 4703-Internship

Other upper-level Acct/Ais with Dept. Head Approval

**Electives 8**

Badm 3573-Money and Banking  
 Required for Kansas CPA Exam  
 Other courses related to your professional interest.

**Minor**

Upon completion of the Accounting major, the student will have sufficient courses for a minor in Business Administration.

**Accounting (BBA) 124****Accounting Information Systems Option (AIS) Semester Hours****General Education 41****Major****Common Business Core 36**

Acct 2103-Financial Accounting  
 Acct 2203-Managerial Accounting  
 Badm 2123-Microeconomics  
 Badm 3123-Business Law I  
 Badm 3173-Business Communications  
 Badm 3613-Business Statistics  
 Badm 4603-Business Ethics  
 Cis 2223-Micro Appl for Bus Dec  
 Cis 3113-Advanced HTML/Web Page Design  
 Fin 3773-Business Finance I  
 Mgmt 3813-Principles of Management  
 Mgmt 3913-Principles of Marketing

**Accounting 24**

AIS 3013-Introduction to AIS  
 Acct 3203-Elementary Cost Accounting  
 Acct 3303-Intermediate Accounting  
 Acct 3403-Advanced Intermediate Accounting  
 Acct 4013-Income Tax Prac I  
 Acct 4303-Public Sector Accounting  
 Acct 4503-Auditing  
 Badm 3323-Business Law II

**Accounting Electives 15**

Choose nine hours from:

Ais 3103-Computer Applications for Accounting  
 Majors  
 Ais 3803-Accounting Information Technology  
 Ais 4013-Use and Analysis DBMS  
 Ais 4113-Accounting E-Commerce  
 Ais 4223-Structured Systems Analysis

Choose six hours from any upper division ACCT or AIS course except Acct 3503.

**Electives 8****Minor**

Upon completion of the Accounting major with an AIS option, the student will have sufficient courses for a minor in Business Administration.



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**Accounting (Minor) 18 Semester Hours**

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<b>Accounting</b>	<b>9</b>
Acct 2103-Financial Accounting	
Acct 2203-Managerial Accounting	
Acct 3303-Intermediate Accounting	
<b>Electives</b>	<b>9</b>
Choose nine hours from any upper division Acct or AIS course except Acct 3503.	

An average G.P.A of 2.00 is required for the minor.

### Department of Business Administration

**Department Head** David Miller  
 Assistant Professor of Business Administration  
 Carter Hall 201A  
 Phone: (580) 349-1452  
 E-mail: dmiller@opsu.edu

The curriculum of the Department of Business Administration has been planned for a flexible, comprehensive, and interdisciplinary study of those functional areas closely related to the needs of business. The curriculum also has been designed to develop a person who is knowledgeable, functionally capable, and has the breadth of exposure in various disciplines. She/he will be prepared for job mobility, advancement, increased responsibility and authority within the business environment. The curriculum also has been designed to satisfy the needs of those who wish to prepare for a teaching certificate in Business Education and for those who may desire to enter a Master of Business Administration program.

The department offers a bachelor's degree with majors in Business Administration and Business Education and an Associate of Science degree in Business Administration. A minor is offered in business administration. Requirements for the bachelor degrees are outlined in this section. Requirements for the associate degree are outlined in the section entitled "Associate Degree Programs."

**Faculty Contact:**

**105**  
 David Miller  
 Head, Department of Business  
 Assistant Professor of Business Administration  
 Carter Hall 201A  
 (580) 349-1452  
 E-mail: dlmiller@opsu.edu

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**Business Administration (BBA) 124 Semester Hours**  
**General Business Concentration**

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**General Education Requirements 41**  
**Common Business Core 36**

- Acct 2103-Financial Accounting
- Acct 2203-Managerial Accounting
- Badm 2123-Microeconomics
- Badm 3123-Business Law I
- Badm 3173-Business Communications
- Badm 3613-Statistics
- Badm 4603-Business Ethics
- Cis 2013-Information Systems for Business
- Cis 2223-Micro Applications
- Fin 3773-Business Finance I
- Mgmt 3813-Principles of Management
- Mktg 3913-Principles of Marketing

**General Business Option 12**

- Badm 3323-Business Law II
- Acct 3503-Adv. Managerial Accounting
- OR
- Fin 3783-Business Finance II
- Mktg 3373-Professional Selling
- OR
- Mktg 3873-Advertising
- Mgmt 4893-Small Business Management
- OR
- Mgmt 4983-Strategic Management Bus. Policy

**School of Business Electives 12**

**Other Electives 23**

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation. These hours may be applicable toward a minor in any field that offers a minor.

**Faculty Contact:** David Miller  
 Head, Department of Business  
 Assistant Professor of Business Administration  
 Carter Hall 201A  
 (580) 349-1452  
 E-mail: dlmiller@opsu.edu

**Business Administration (BBA) 124**  
**Finance Concentration Semester Hours**

**General Education Requirements 41**

**Common Business Core 36**

Acct 2103-Financial Accounting

Acct 2203-Managerial Accounting

Badm 2123-Microeconomics

Badm 3123-Business Law I

Badm 3173-Business Communications

Badm 3613-Statistics

Badm 4603-Business Ethics

Cis 2013-Information Systems for Business

Cis 2223-Micro Applications

Fin 3773-Business Finance I

Mgmt 3813-Principles of Management

Mktg 3913-Principles of Marketing

**Finance Concentration 12**

Fin 4063-Commercial Bank Mgmt

OR

Fin 3573-Money and Banking

Fin 3073-Principles of Insurance

OR

Fin 4083-Investments

Fin 3783-Business Finance II

Mgmt 4893-Small Business Management

OR

Mgmt 4983-Strategic Mgmt. & Business Policy

**School of Business Electives 12**

**Other Electives 23**

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation

These hours may be applicable toward a minor in any field that offers a minor.

**Faculty Contact:** David Miller  
 Head, Department of Business  
 Assistant Professor of Business Administration  
 Carter Hall 201A  
 (580) 349-1452  
 E-mail: dlmiller@opsu.edu

**Business Administration (BBA) 124**  
**Management Concentration Semester Hours**

**General Education Requirements 41**

**Common Business Core 36**

Acct 2103-Financial Acct

Acct 2203-Managerial Acct

Badm 2123-Microeconomics

Badm 3123-Business Law I

Badm 3173-Business Communications

Badm 3613-Statistics

Badm 4603-Business Ethics

Cis 2013-Information Systems for Business

Cis 2223-Micro Applications

Fin 3773-Business Finance I

Mgmt 3813-Principles of Management

Mktg 3913-Principles of Marketing

**Management Concentration 12**

Acct 3503-Advanced Managerial Accounting

OR

Fin 3793-Business Finance II

Mgmt 3703-Small Group Discussion

OR

Mgmt 4703-Organizational Communication

Mgmt 4873-Human Resource Management

Mgmt 4893-Small Business Management

OR

Mgmt 4983-Strategic Mgmt & Business Policy

**School of Business Electives 12**

**Other Electives 23**

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.

These hours may be applicable toward a minor in any field that offers a minor.

**Faculty Contact:** David Miller  
 Assistant Professor of Business Administration  
 Carter Hall 201C  
 (580) 349-1452  
 E-mail: dlmiller@opsu.edu

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**Business Administration (BBA) 124**  
**Marketing Concentration Semester Hours**

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**General Education Requirements 41**  
**Common Business Core 36**

Acct 2103-Financial Accounting  
 Acct 2203-Managerial Accounting  
 Badm 2123-Microeconomics  
 Badm 3123-Business Law I  
 Badm 3173-Business Communications  
 Badm 3613-Statistics  
 Badm 4603-Business Ethics  
 Cis 2013-Information Systems for Business  
 Cis 2223-Micro Applications  
 Fin 3773-Business Finance I  
 Mgmt 3813-Principles of Management  
 Mktg 3913-Principles of Marketing

**Marketing Concentration 12**

Mktg 3923-Professional Selling  
 Mktg 3873-Advertising  
 Mktg 4023-Retailing  
 Mktg 4973-Purchasing\*  
 Mktg 4983-Strategic Marketing Management\*  
 Mktg 4993-Marketing Research\*

\*At least one of these courses must be taken as a capstone marketing course.

**School of Business Electives 12**

**Other Electives 23**

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation. These hours may be applicable toward a minor in any field that offers a minor.

Each major in Business Administration must choose one concentration (Only One). If a student desires additional concentrations they must declare a minor in one or all the following:

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**Business Administration Minor 18**  
**Semester Hours**

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Acct 2103-Financial Accounting  
 Acct 2203-Managerial Accounting  
 Badm 3123-Business Law I  
 Fin 3773-Business Finance I  
 Mgmt 3813-Principles of Management  
 Mktg 3913-Principles of Marketing

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**Finance Minor 18**  
**Semester Hours**

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Badm 2013-Personal Finance  
 Badm 3073-Principles of Insurance  
 Fin 3573-Money & Banking  
 Fin 3783-Business Finance II  
 Fin 4063-Commercial Banking  
 Fin 4083-Investments  
 Fin 4000-Special Topics in Finance  
 (Can substitute Fin 4063 or Fin 4083 in case of time conflict)

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**Management Minor 18**  
**Semester Hours**

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Mgmt 3503-Advanced Managerial Accounting  
 Badm 3373-Real Estate Principles  
 Mgmt 3703-Small Group Discussion  
 OR  
 Mgmt 4703-Organization Communication  
 Mgmt 4813-Office Management  
 OR  
 Mgmt 4873-Human Resource Management  
 Mgmt 4893-Small Business Management  
 Mgmt 4983-Strategic Mgmt. & Business Policy

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**Marketing Minor 18**  
**Semester Hours**

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Badm 3103-Consumer Economics  
 Mktg 3923-Professional Selling  
 Mktg 3973-Advertising  
 Mktg 4023-Retailing  
 Mktg 4973-Purchasing  
 Mktg 4993-Marketing Research  
 OR  
 Mktg 4983-Strategic Marketing Mgmt.  
 Substitutes must be approved by advisor.  
 A GPA of 2.00 is required in the minor.

**Faculty Contact:** David Miller  
 Assistant Professor of Business Administration  
 Carter Hall 201C  
 (580) 349-1452  
 E-mail: dlmiller@opsu.edu

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**Business Education (BBA) 124**

**Semester Hours**

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**General Education 50**

**Communications 9**

\*Engl 1113-Freshman English I

\*Engl 1213-Freshman English II

\*Comm 1113-Speech Communication

**Mathematics 3**

Math 1513-College Algebra

**History and Political Science 6**

\*Pols 1013-American Government

\*Choose at least one from the following:

Hist 1313-U.S. History 1492-1877

Hist 1323-U.S. History 1877-Present

**Natural Science 8**

Biol 1304-Principles of Biology I

Physical Science with a Lab

**Social and Behavioral Sciences 6**

\*Choose at least one course from each area:

Sociology/Psychology

Economics

\*Econ 2113-Principles of Macroeconomics

**Cross Cultural 3**

\*Educ 2233-Diversity in Education

**Humanities 6**

\*Choose 6 hours from the following areas: philosophy, humanities, music appreciation, art appreciation, literature, introduction to theater, world history, music history, world religion, others as approved by the Vice President fro Academic Affairs. (Must include course work from two areas — No activity courses will count.)

**Physical Education 2**

\*Hper 2102-First Aid

**Student Success 1**

\*Educ 1111-Student Success Sem.

**Additional Required "Education" Classes 8**

\*Educ 2222-Communication Skills for Educators

\*Educ 2323-Reading in the Content Area

\*Cis 2013-Information Systems for Business

\*Required for Secondary Business Education majors.

**Business Education Course Work 36**

Acct 2103-Financial Accounting

Acct 2203-Managerial Accounting

Ais 3013-Introduction to Information Tech.

Ais 3803-Accounting Information Tech.

Badm 2123-Principles of Microeconomics

Badm 3103-Consumer Economics

Badm 3173-Business Communications

Cis 2123-Programming I

Cis 2223-Micro Applications

Cis 2233-Logic and Design

Mgmt 3813-Principles of Management

OR

Mgmt 4813-Office Management

Sesc 2373-Computer Based Keyboarding  
 and Desktop Publishing

**Electives 5**

Courses selected from Acct, Badm, CIS, Mgmt,  
 Mktg, Fin.

**Courses STRONGLY SUGGESTED:**

Badm 3123-Business Law I

Fin 3773-Business Finance I

Mktg 3913-Principles of Marketing

Upon the completion of the core, the student will have  
 sufficient courses for a minor.

**Professional Education 33**

Educ 2112-Foundations of Education

Educ 2122-School and Society

Educ 2212-Principles of Teaching

Educ 3213-Human Dev: Child &

Adolescent Psychology

\*Educ 3223-Education of the Except. Child

\*Educ 4313-Educational Psychology

\*Educ 4333-Educational Technology

\*Educ 4222-Methods and Materials of

Secondary Teaching

**\*Restricted Classes - Must be admitted to  
 Teacher Education Program prior to enrolling.**

\*\*Educ 4312-Classroom Management

\*\*Educ 4362-Educ. Tests & Measurements

\*\*Educ 4720-Student Teaching in

Secondary Schools

**\*\*Restricted Classes - Must Be Admitted To  
 Professional Semester Prior To Enrolling.**

**Please refer to pages 116-124 for information  
 about the OPSU Teacher Education Program.**

## Department of Computer Information Systems

**Department Head** Diane M. Murphey  
Dean, School of Business and Technology  
Professor, Computer Information Systems  
104 Carter Hall  
Phone: (580) 349-1446  
E-mail: diane@opsu.edu

OPSU has both a four-year Bachelor of Business Administration and two-year Associate of Science degree option in Computer Information Systems. The programs follow the curriculum guidelines of the Association of Information Technology Professionals for post-secondary information systems education. A Bachelor of Technology in Computer Graphics is also available.

The program has a business orientation—all graduates are required to take a core of Business courses in addition to Computer Information Systems courses. Classes available as part of the degree include programming skills (available are C, C++, Visual Basic, Visual Studio.Net and Java), courses in Microcomputer Applications, systems analysis, data base management, telecommunications, operating systems, network administration and management. OPSU provides a rich selection of information systems electives to strengthen and enhance the students' knowledge base. These electives change frequently but currently include HTML and web site design, Novell, Linux, and Windows networking and data communications, computer security and ethics, programming logic, computer animation and graphics, and others.

The department offers a Bachelor of Technology and a minor in Computer Graphics and cooperates with the Art Department to enable students to complete the Computer Graphics option of the B.F.A. degree. We offer 2D, 3D, and animation graphics courses using Maya and other leading graphics software packages.

Students do their work in a varied computer environment including Novell, Windows and Linux platforms. The networked computer labs are equipped with internet access. Students graduate from Oklahoma Panhandle State University prepared to learn and to work.

The faculty knows and works with the students on a personal basis. Faculty office doors are open and help is readily available to students.

A GPA of 2.0 is required in the common business core. Grades of C or better are required in major area and additional major hours courses.

Computer Information Systems (BBA)	124 Semester Hours
<b>General Education</b>	<b>41</b>
<b>Business Core</b>	<b>30</b>
Acct 2103-Financial Accounting	
Acct 2203-Managerial Accounting	
Badm 3173-Bus Communications OR	
Badm 3023-Technical Writing	
Badm 3123-Business Law I OR	
Badm 3323-Business Law II	
Badm 3613-Statistics	
Badm 4603-Business Ethics	
Badm 2123-Principles of Econ (Micro)	
Fin 3773-Business Finance I OR	
Badm 2013-Personal Finance	
Mktg 3913-Principles of Marketing	
Mgmt 3813-Principles of Management	
<b>Major Area (Must have two Languages)</b>	<b>34</b>
Cis 1983-Logic and Design	
Cis 2113-HTML & Web Page Design	
Cis 2123-Programming I	
Cis 2513-Database Use/Data Analysis	
Cis 3323-Networking Fundamentals	
Cis 3613 Intermediate Programming	
Cis 3723-Operating Systems	
Cis 3804-Hrdw. and Sftw. Arch.	
Cis 3833-Network Administration	
Cis 4223-Structured Systems Analysis	
Cis 4933-Capstone Project	
<b>Additional Major Hours</b>	<b>15</b>
Cis 2000-Special Topics Information Systems	
Cis 2013-Information Systems for Business	
Cis 2223-Micro Applications	
Cis 2613-Typography	
Cis 2623-Survey of 2D Graphics Apps.	
Cis 2633-Audio for Video and Games	
Cis 3113-Adv. HTML/Web Dsgn.	
Cis 3313-3D Modeling I	
Cis 3343-3D Dynamics	
Cis 3383-Advanced Modeling & Lighting	
Cis 3393-Graphics/Video Editing-Composition	
Cis 3413-Video Editing-Post Production	
Cis 3613-Prog. Language	
Cis 4000-Ind. Study in CIS	
Cis 4113-Advanced Program Lanaguage	
Cis 4213-Network Administration & Mgmt.	
Cis 4233-Game Level Design	
Cis 4243-Computer Animation	
Cis 4413-Web Animation	
Cis 4433-Project Animation	
Indt 1012-Drafting Technology	

**110**

Indt 2113-Introduction to CAD

Indt 2223-Introduction to Computer Numeric  
Control Machinery

Indt 3123-Advanced CAD

Indt 4242-Programming CAD

(Or any department chair approved CIS, Acct, AIS,  
Badm, or Indt course)**Electives** **10**Sufficient courses to bring upper level hours to 40 credit  
hours and total to 124 semester hours for graduation.**Minor**Upon completion of the CIS major, the student will have  
sufficient courses for a minor in business administra-  
tion.

*Students make excellent use of computer labs conveniently  
located in Hamilton Hall, McKee Library and Carter Hall.*

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**Technology (BTEC)** **124**  
**Semester Hours**
**Computer Graphics Option****Students will be admitted to candidacy for the  
degree after having completed the following 1 year  
program consisting of 31 hours:**

Cis 2613-Typography

Cis 2633-Audio for Games and Video

Art 1433-Fundamentals of Art

Cis 2303-Lighting and Composition

Art 2243-Design I

Cis 2313-Storyboarding

Engl 1113-Freshman English I

Engl 1213-Freshman English II

Math 1513-College Algebra

Hum 1533-Art Appreciation

**To complete the four-year degree, students  
must take:****General Education** **29****(remaining general education hours to complete  
41 required)****Residence Major** **37**

Cis 3113-Advanced HTML

Cis 3393-Video Editing-Composition

Cis 3413-Video Editing-Post Production

Cis 3343-3D-Dynamics

Engl 3023-Technical Writing

Mgmt 4893-Small Business Management

Cis 4023-Texturing for 2D &amp; 3D

Cis 4413-Web Animation

Engl 4433-Game Writing

Art 3153-Figure Drawing

Art 3333-Sculpture I

Biol 3124-Anatomy-Non Majors

**Residence Minor** **18**

Cis 2623-Survey of 2D Graphics

Cis 3313-Modeling I

Cis 4233-Game Level Design

Cis 3383-Advanced Modeling/Lighting

Cis 4243-Computer Animation

Cis 4443-Project in Animation

**Electives** **9**Advisor approved in Hist, Engl, Math, Acct, Ais, Badm  
or Art courses.

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<b>Computer Information Systems Minor</b>	<b>18</b>
	<b>Semester Hours</b>

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**Required**

Cis 2223-Micro Applications

Cis 2123-Programming I

Cis 2233-Logic &amp; Design

Plus nine hours CIS department approved CIS, AIS or Indt courses, six hours of which must be upper level.

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<b>Computer Graphics Minor</b>	<b>18</b>
	<b>Semester Hours</b>

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**9 hours:**

Cis 2623-2D Graphics

Cis 3313-3D Modeling

Cis 3393-Graphic/Video Editing &amp; Composition

**Choose 9 hours from the following:**

Cis 2613-Typography

Cis 2633-Audio for Video and Games

Cis 3113-Advanced HTML

Cis 3413-Video Editing-Post Production

Cis 3343-3D Dynamics

Cis 3383-Advanced Modeling

Cis 4233-Game Level Design

Cis 4243-Computer Animation

Cis 4413-Web Animation

Cis 4443-Senior Project



***OPSU Programming Team***  
***2007 AITP National Collegiate Champions - Visual Communications***  
***3rd Place - Office Integration, Honorable Mention - Business Intelligence***

## Department of Industrial Technology

**Department Head** Larry Hough  
 Associate Professor of Industrial Technology  
 102 Carter Hall  
 Phone: (580) 349-1448

In the Department of Industrial Technology, the Bachelor of Specialty degrees are offered in Technology, with an option in Computer Graphics (see pg. 112) and Technology, and Industrial Technology with options in Industrial Technology and Industrial Business Management. Requirements for the bachelor degree programs are listed in this section.

Industrial Technology also offers two-year programs leading to the Associate of Applied Science degree in Technology with an option in Drafting and Industrial Technology, Industrial Technology, Metal Technology, or Technology. Requirements for these degrees are listed in the Associates Degree section of the catalog. The purpose of the Department of Industrial Technology is to provide the student with skill and knowledge of materials and manufacturing processes, drafting and design concepts, and power and equipment technology. These fields of study would provide the necessary skill and knowledge for successful careers in industrial areas.

This department endeavors to serve those students who plan to become engineers, carpenters, draftsmen, etc.; those who are majoring in other work but desire some training in this area; and those who elect Industrial Technology as a minor.

<b>Industrial Technology (BIND)</b>	<b>124</b>
<b>Industrial Business Management Concentration</b>	<b>Semester Hours</b>
<b>General Education</b>	<b>40</b>
Educ 1111-Stu. Success Sem. (required)	<b>1</b>
<b>Industrial Technology Core</b>	<b>20</b>
Indt 1012-Drafting Technology	
Indt 1013-Woodworking Fundamentals	
Indt 1103-Applied Electricity I	
Indt 1222-General Metals Processing	
Indt 1432-Oxy Acetylene Welding	
Indt 2013-Machine Wood Technology	
Indt 2113-Introduction to CAD	
Indt 3322-Arc Welding	
<b>Industrial Technology Electives</b>	<b>13</b>
A student must select additional hours to bring the total to 33 hours of Industrial Technology courses.	
<b>Common Business Core</b>	<b>33</b>
Acct 2103-Financial Accounting	
Acct 2203-Managerial Accounting	
Cis 2013-Information Systems for Business	
Badm 2123-Microeconomics	
Cis 2223-Micro Applications	
Badm 3123-Business Law I	
Badm 3173-Business Communications	
Badm 3613-Statistics	
Fin 3773-Business Finance I	
Mgmt 3813-Principles of Management	
Mktg 3913-Principles of Marketing	
<b>Electives</b>	<b>17</b>
Additional courses are required to bring the upper level hours to 40 and total to 124 hours for graduation. A minor in any field in which a minor is offered or a second major may be selected.	



<b>Industrial Technology (BIND)</b>	<b>124</b>
Industrial Technology Concentration	<b>Semester Hours</b>

<b>General Education</b>	<b>41</b>
<b>Industrial Technology Core</b>	<b>20</b>

- Indt 1012-Drafting Technology
- Indt 1013-Woodworking Fundamentals
- Indt 1103-Applied Electricity I
- Indt 1222-General Metals Processing
- Indt 1432-Oxy Acetylene Welding
- Indt 2013-Machine Wood Technology
- Indt 2113-Introduction to CAD
- Indt 3322-Arc Welding

<b>Industrial Technology Electives</b>	<b>36</b>
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A student must select additional hours to bring the total to 56 hours of Industrial Technology.

<b>Electives</b>	<b>27</b>
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Additional courses are required to bring the upper level hours to 40 and total to 124 hours for graduation. A minor in any field in which a minor is offered or a second major may be selected.

<b>Industrial Technology (Minor)</b>	<b>18</b>
	<b>Semester Hours</b>

Minor	<b>18</b>
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Industrial Technology Courses  
At least one course must be selected from each of the following areas: drafting, metals or power mechanics, and wood manufacturing.

<b>Technology (BTEC)</b>	<b>124</b>
	<b>Semester Hours</b>

Students may complete the Bachelor of Technology with major emphasis in the following areas: Computer Graphics (see pg. 112), Accounting, Agronomy, Allied Health Science, Animal Science, Biology, Business Administration, Business Education, Chemistry, Computer Information Systems, Health and Physical Education, Industrial Technology, Mathematics, Natural Science, Physics, Psychology, etc.

To be admitted to candidacy for the degree, the student may have completed either a one- or two-year technical program at an institution accredited by a regional accrediting agency. If the credit earned is from a non-accredited institute, the student transferring to OPSU must use the same procedures as regular college students from non-accredited institutions.

The program of studies for those candidates having completed a one-year program will be developed within the following framework:

<b>General Education</b>	<b>41</b>
<b>Transferred Major</b>	<b>32</b>
from an approved one-year technical program	
<b>Residence Major</b>	<b>33</b>
Required hours in major area to complete residence requirements.	
<b>Residence Minor</b>	<b>18</b>
Electives to total 124	

The program of studies for those candidates having completed a two-year program will be developed within the following framework:

<b>General Education</b>	<b>41</b>
<b>Transferred Major</b>	<b>49</b>
from Associate of Technology program	
<b>Residence Major</b>	<b>16</b>
Required hours in major area to complete residence requirements.	
<b>Residence Minor</b>	<b>18</b>
Electives to total 124	

## School of Education

### Dean:

R. Wayne Stewart  
 Professor of Education  
 123 Hamilton Hall  
 Phone: (580) 349-1408  
 E-mail: rwstewart@opsu.edu

The School of Education consists of two departments: the Department of Education and the Department of Health and Physical Education.

### Department of Education

#### Important Information for Teacher Candidates of OPSU

Oklahoma Panhandle State University, within the School of Education, offers courses leading to the Bachelor of Science degree in elementary education. Professional education course work required for the certification recommendations of elementary, secondary, and P-12 teachers in Oklahoma is also presented. Within this academic and professional structure, teacher education candidates are assigned and expected to complete experiences leading to successful teaching appointments.

The professional education component includes hours of pre-service field experiences in the public schools. The academic course work cultivates an understanding of human learning and development and techniques of classroom management, pedagogy, and methodology appropriate for the instructional level of the certificate. The professional education experience is concluded with the satisfactory completion of a student intern assignment.

The Teacher Education Program of OPSU is designed to explore the education curriculum in depth and develop related teaching skills. The professional education curriculum enables teacher candidates to successfully perform necessary competencies required for certification. The Teacher Education Program of OPSU includes a variety of cultural and liberal arts experiences in general education, specialty areas (majors), and professional education courses. Teacher candidates who are admitted to the Teacher Education Program of OPSU must perform at a predetermined level in knowledge, skills and dispositions during the process of becoming a competent professional teacher.

The Teacher Education program of OPSU is supported by a planned and continuous evaluative feedback system that includes the progress of the graduates as beginning classroom teachers. Program changes and requirements in the guidelines established by professional associations are included in the university program as they occur.

#### Procedures Applicable to All Teacher Candidates

Students who plan to pursue a teaching career **must** make application for admission to the teacher education program during their sophomore year. This means that all requirements for application must be completed as quickly as possible, including passing the Oklahoma General Education Test (OGET). Application forms may be obtained from the office of teacher education and must be filed prior to October 31 or March 31 of each year. **No applications will be accepted during Interterm or summer sessions.** Teacher candidates must have completed or be enrolled in **EDUC 2113 “Introduction to Education.”** Transfer students with more than 45 semester hours who intend to pursue a teaching career are required to remove all General Education curriculum deficiencies during their first year at OPSU as well as make application for admission to the teacher education program concurrently with the first enrollment at OPSU.

Professional education courses (listed on page 125) must be taken from a four-year institution with an approved teacher education program. No professional education courses may be transferred to OPSU from a community college or a junior college.

### Teacher Education Program Admission Requirements

Admission to the teacher education program at Oklahoma Panhandle State University includes the following conditions: **NOTE: All requirements must be completed PRIOR to applying for admission to the OPSU Teacher Education Program.**

- A. Passing Score (240 or above) on the Oklahoma General Education Test (OGET).
- B. Aptitude and proficiency in English can be established by:
  - 1. A letter grade of C or better in ENGL 1113.
  - 2. A letter grade of C or better in ENGL 1213.
- C. Demonstrate proficiency in Speech
  - 1. A letter grade of C or better in COMM 1113 or equivalent.
  - 2. Successful completion of teacher candidate interview.
- D. Scholastic Achievement
  - 1. A cumulative GPA of 2.5 in all course work.
  - 2. A GPA of 2.5 in required general education course work.
  - 3. A minimum letter grade of C is required in all specialty (major) and professional education course work. The teacher candidate must maintain a minimum cumulative GPA of 2.5 to continue in the Teacher Education Program at OPSU.
- E. Enrollment or completion of EDUC 2113 - Introduction to Education.

As an additional requirement, all students enrolled in EDUC 2113 Introduction to Education will be required to take the Learnatest simulation PPST exam to determine an approximate general education level and to determine whether or not remediation will be required prior to the student taking the OGET. Each teacher candidate is subject to all program and certification requirements in effect at the time of admission to the Teacher Education Program. Any break in continuous enrollment will require the teacher candidate to fulfill the requirements in force at the time of re-enrollment.

Any professional education class more than five years old, following a break in enrollment, will not fulfill the requirements of the OPSU Teacher Education Program and must be repeated. New State Department of Education or Oklahoma Commission for Teacher Preparation regulations will be followed when implemented.

### Student Intern Program Student Teaching

Students who have been admitted to the Teacher Education Program are required to make another formal application prior to enrolling in the professional semester (student teaching semester) and secure a student intern assignment following the completion of all course work. The application can be obtained from the Office of the Director of Teacher Education, and must be filed by March 1 of the year prior to the candidate's professional semester. The Director of Teacher Education will evaluate all applications for eligibility to enroll in the professional semester and present the applications to the Director of Field Placement. The Director of Field Placement will assign the teacher candidate to an internship that meets the requirements of the OPSU Teacher Education Council based on input by the public schools, previous field experiences, the candidate's request, and the availability of qualified P-12 instructors within the OPSU service area. No intern will be assigned to a school that is more than 150 miles of OPSU with the possible exception of Agricultural Education interns or with special permission.

## Requirements for Admission to the Professional Semester

1. All course work except the “block” classes must be completed (or enrolled in).
2. Minimum grade point average in the major course work (MGPA) of 2.5; GPA of 2.5 in general education; and minimum letter grade of C in all specialty (major) and professional education course work.
3. Teacher candidates must complete all course work for certification in at least one area prior to being admitted to their professional semester. This includes the completion of all correspondence courses (with grades recorded on transcript) and the finalization of “Incomplete” grades.
5. The approval and recommendation by faculty in a candidate’s teaching field.
6. Application for the Student Intern Program must be on file in the office of teacher education by March 1 of the year prior to the time the candidate is eligible to perform his/her internship.
7. Teacher candidates are required to return to the OPSU campus for the midterm seminar and final portfolio reviews.
8. No teacher candidate will receive an intern assignment during any time the candidate is involved in institutional probation.
9. Any teacher candidate convicted of a felony crime within the preceding ten (10) year period of making application for the Student Intern Program forfeits the right to obtain a teaching certificate (**O.S. 70-3-104.1**).

### The Professional Semester

The Professional Semester is an entire semester devoted to intensive course work and the Student Intern Program. The Student Intern Program (student teaching) is a twelve week assignment preceded by a minimum of four weeks of class work. During the off-campus period, the teacher intern is expected to devote full time to the classroom and professional responsibilities.

The following conditions comprise the professional semester:

1. Teacher candidates are enrolled in the “professional block” courses of:  
 EDUC 4312 “Classroom Management (except Agriculture Education)”  
 EDUC 4362 “Educational Tests and Measurements”  
 EDUC 4450 “Student Teaching in Elementary Schools”  
**OR**  
 EDUC 4720 “Student Teaching in Secondary Schools” **OR**  
 EDUC 4750 “Student Teaching in Elementary/Secondary Schools”

Other course work as determined by the Teacher Education Council.

2. Every teacher candidate is required to participate in “The August Experience.” A teacher candidate will know his/her intern placement by May of the year preceding his/her internship — whether in the fall or spring semesters — and will be required to spend a minimum of three days with their cooperating teacher during the month of August prior to the start of school. The details of this assignment are found on page 119 of this catalog.

A teacher candidate must have passing scores on all Oklahoma Subject Area (OSAT) required for his/her major before the professional semester begins. This means that teacher education candidates who apply by March 1 to intern the following fall semester must have all required OSAT exams passed prior to the beginning of the fall semester (around the middle of August) or he/she will NOT be allowed to intern during that semester, and those applying for internships in the spring semester must have passed all required OSAT exams prior to the beginning of the spring semester (around the middle of January) or he/she will NOT be allowed to intern during that semester.

A teacher candidate who completes a double major (or an additional teaching area) and has passed the appropriate OSAT exams will intern in only one area unless the school district is willing to split the assignment into a primary and intermediate or a middle and senior high school level. A minimum of six weeks of internship, must be completed in each area where a credential is to be obtained.

The Director of Field Placement will assign the teacher candidate to an internship that meets the requirements of the OPSU Teacher Education Council based on input by the public schools, previous field experiences, the candidate's request, and the availability of qualified P-12 instructors within the OPSU service area. No candidate will be placed outside a radius of 150 miles from OPSU with the exception of Agricultural Education candidates or with special permission from the Teacher Education Council.

### Foreign Language Proficiency

Students entering OPSU during or after the fall 1997 semester as freshmen, or after a break in continuous enrollment, seeking an education degree must show a novice-high level of speaking and listening proficiency in a language other than English as defined by the American Council on Teaching Foreign Languages (ACTFL) This is a graduation requirement and a certification requirement.

This proficiency may be met in one of the following manners: 1) completion (with a grade of C or higher) of one semester course (three-four hours) of a foreign language at an accredited college or university, or 2) pass the OPSU Spanish language competency oral examination. The student's permanent folder and graduation check sheet will reflect the date the foreign language proficiency is met.

### August Experience

It is the belief of the OPSU Teacher Education Program that practical experience is just as valuable as classroom learning. That is why there are so many field experiences built within our program. One of the most valuable experiences that a teacher candidate can have is that of "setting up the classroom for the first year." For this reason, OPSU Teacher Education Program has implemented the "August Experience." All teacher candidates who have been accepted into the professional semester of student teaching will be given the location of their student teaching placement and the name of their cooperating teacher by the first of May of the year prior to their student teaching assignment. This will be for teacher candidates completing their student internship in the fall or spring semesters.

To fulfill the requirements of the August Experience, a teacher candidate must complete the following:

The intern will need to contact both the building principal of their assigned school and their assigned cooperating teacher. This will allow the student and cooperating teacher to meet and become familiar with each other. The intern will need to set up future dates prior to the beginning of the school year (This applies to the candidate who will be student teaching in the spring semester also) for the following activities.

1. One half-day minimum will be spent helping the cooperating teacher "set up" the classroom - creating bulletin boards, arranging desks, entering names in grade book, etc.
2. One half-day minimum is required to attend a pre-school professional development activity with the cooperating teacher, other teachers at the school, and the administration.
3. The teacher candidate will be expected to attend his/her assigned school for the first day of class. Teacher candidates may miss the first day of their scheduled classes at OPSU if the first day of public school happens to be the same as OPSU's. If this happens, the teacher candidate is to contact the Director of Field Placement by calling (580) 349-1414 or email [jmayer@opsu.edu](mailto:jmayer@opsu.edu) who will issue a memo to the OPSU professor explaining the absence.
4. The teacher candidate will be required to write a three-five page reflection paper about this activity.

It is expected that this August Experience will be one of the most beneficial of all pre-serviced experiences that OPSU can provide the teacher candidate. Therefore, there will be no exceptions to this requirement. All student teachers will participate or they will not be allowed to student teach that year.

## Certification Requirements

All students graduating from an accredited institution of higher education and seeking to enter the public education system as a teacher shall be subject to the assessment, certification and licensing procedures established in the Oklahoma Teacher Preparation Act.

All teacher candidates will be required to take and pass competency examinations that include subject area tests (OSAT), general education tests (OGET), and professional education tests (OPTE) before they will receive a teaching certificate. An elementary education candidate will be required to pass the elementary OPTE before receiving full certification, a secondary candidate will be required to pass the secondary OPTE, and the candidate seeking certification in a P-12 area (HPE, music, etc.) must pass either the elementary or secondary OPTE.

In addition to the certification exams, the candidate seeking licensure or certification in the state of Oklahoma is also required to undergo an Oklahoma State Bureau of Investigation (OSBI) fingerprint and background check, as well as a fingerprint and background check by the Federal Bureau of Investigation (FBI). Additional information about this may be obtained from the Office of the Dean of Education.

### Additional Certification Areas

These are “add-on” areas. Student must first obtain an initial teaching certificate in their major area of study. Additional certification areas in Oklahoma are now “proficiency based.” This means that a person seeking additional teaching areas will need to show proficiency in the selected area by passing the required exam(s). A person who wishes to add a teaching field to his/her initial certificate will be required to pass the selected Subject Area Tests (OSAT).

There are no minimum number of course hours required before a person can sit for these exams. A person seeking to add other teaching areas to his/her initial teaching certificate is urged to talk to his/her advisor about suggested course work.

## English as a Second Language (ESL)

The OPSU Teacher Education Program offers classes in English as a Second Language (ESL) leading to certification and/or a minor. Certification in Oklahoma is achieved by passing the appropriate Oklahoma Subject Area Test (OSAT), but these classes also prepare the student for certification examinations in other states.

The following six courses (18 hours) in this set rotation will fulfill the requirements for a minor in ESL:

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### ESL Minor

#### 18 Semester Hours

#### **Every spring (or January Interterm):**

Engl 3013-English Usage/Linguistics

Educ 2233-Diversity in the Classroom

#### **Every summer:**

Esl 3053-Applied Linguistics and Language  
Development

Esl 3033-Methods and Materials in ESL

#### **Every fall:**

Esl 3043-ESL Assessment and Interpretation

Educ 3563-Practicum II

## Education Minor

There are two ways that a person can become licensed to teach in secondary schools in Oklahoma and most other states. One method is the time-honored, research proven, effective path of traditional teacher preparation. This includes completing a national and/or state recognized program that contains not only the content classes of the particular major, but also the necessary pedagogical classes that train a person how to become a teacher. These programs conclude with the extremely valuable student teaching experience and result in the university recommending and guaranteeing a successful teaching career (in the state of Oklahoma with the Oklahoma Teacher Warranty).

The other method of becoming licensed to teach in Oklahoma, and other states, is through Alternative Placement (alternative certification). This path begins with a person already holding a degree in an area that corresponds with a secondary or P-12 teaching area in the public schools (math, English, science, agriculture, music, HPER, etc.) and then applying directly to the respective State Department of Education for a teaching license. Alternative Placement is not available for elementary childhood teachers in Oklahoma.

In order to help current OPSU students who are planning to apply for Alternative Placement upon graduation, the School of Education is offering a Minor in Education that contains valuable courses for anyone who may find themselves in a teaching position in the future. The Minor in Education consists of the following 18 hours taught at night and during summers, and contains outside class assignments including observations and practicum activities:

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### Education Minor

#### 18 Semester Hours

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Educ 3003-Introduction to Secondary Education  
 Educ 3013-Learning Processes of Secondary Students  
 Educ 3223-Education of the Exceptional Child  
 Educ 4313-Educational Psychology  
 Educ 4323-Instructional Strategies for Secondary Teachers  
 Educ 4533-Secondary Classroom Management and Assessment

These classes will all be taught at night and during the summer and will be offered in a rotating schedule that will allow a student to complete the degree in two semesters and one summer session. The OPSU student wishing to complete this minor must notify the office of the School of Education of their interest in obtaining the minor; must have and maintain an overall GPA of 2.50; and, according to the Oklahoma State Department of Education, “must not have been denied admittance to an approved teacher education program or enrolled in and subsequently failed required teacher education courses.”

**NOTE: this minor does not guarantee Alternative Placement in Oklahoma or any other state.**

Most states, including Oklahoma, require some post-baccalaureate work and/or teaching related years of experience. The OPSU student, upon graduation, must contact the Oklahoma (or other state) State Department of Education to obtain the application forms for Alternative Placement and will be required to fulfill any additional requirements which may include additional hours. Also, OPSU cannot guarantee that any of the courses in this minor will transfer to any other university for credit toward a degree or a minor.

If a person already holds a degree that corresponds to a secondary teaching area, he/she should contact the office of the School of Education after receiving the response from his/her application for Alternative Placement to the Oklahoma State Department of Education, but he/she will not necessarily be required to complete this minor.

## Alternative Certification

OPSU, working with the Oklahoma State Department of Education, offers the required course work for graduates seeking alternative certification within the state of Oklahoma. Alternative certification is available for a person holding at least a baccalaureate degree in a field of study that corresponds to an area of Oklahoma certification for an elementary/secondary certificate, secondary certificate, or vocational-technical certificate. Alternative certificates are not available for elementary education or early childhood education. Required course work for alternative certification will consist of the following:

- EDUC 3223-“Education of the Exceptional Child”
- EDUC 3213-“Human Development: Child and Adolescent Psychology”
- EDUC 4222- “Methods & Materials of Secondary Teaching”
- Any additional course work required by the State Department of Education

## Due Process Rights

A teacher candidate desiring to appeal any decision of the OPSU Director of Teacher Education may do so by filing a written request with the Director of Teacher Education. The written request must be received within thirty (30) days following the notification of the decision.

Upon receipt of a written request appealing a decision of the OPSU Director shall request each school dean to appoint one member from his/her school to serve on an appeals committee. The appeals committee shall meet within ten (10) days after receiving the student’s written request to consider the written appeal, to hear the student’s oral presentation, and to question the student whose presence is mandatory. A final decision must be rendered within thirty (30) days after the initial meeting of the appeals committee. The vice president for academic affairs will serve as ex-officio chairperson of the appeals committee.



*Members of the OPSU Chapter of the Student Oklahoma Education Association (SOEA) paint a map at the Goodwell Public School Playground. Entitled “Outreach to Teach: Destination Goodwell,” the project was funded by a grant from the National Education Association. Pictured is SOEA President Tracey Flanagan, Cody Graves and volunteer Beth Mihelic.*



## OPSU Professional Education Classes

### Pre-Professional Classes (non-restricted)

- Aged 3103- Field Experiences in Agricultural Education
- Aged 3203- Planning the Community Program in Agricultural Education
- Educ 2001- Education Seminar
- Educ 2113- Introduction to Education
- Educ 2222- Communication Skills for Teachers
- Educ 2233- Diversity in Education
- Educ 2323- Reading in the Content Area
- Educ 2623- Children's Literature
- Educ 3213- Human Development: Child and Adolescent Psychology
- Engl 3013- English Usage
- Math 2213- Structural Concepts I/Primary Level
- Math 2223- Structural Concepts II/Intermediate Level

### Professional Elementary Education (restricted classes)

- Educ 3313- Foundations of Reading (prerequisite for Educ3413)
- Educ 3233- Methods & Materials/Elementary Reading
- Educ 3253- Diagnostics and Prescriptive Teaching of Reading
- Educ 3333- Methods & Materials/Creative Arts
- Educ 3563 Practicum I
- Educ 4173- Methods & Materials/Elementary Math & Science
- Educ 4223- Methods & Materials/Elementary Language Arts
- Educ 4273- Practicum II
- Educ 4323- Methods & Materials Elementary Social Studies
- Hper 4032- Methods and Materials/Elementary Physical Education

### Professional Secondary Education (restricted classes)

- Aged 4103- Methods of Teaching and Management in Vocational Education
- Educ 4222- Methods & Materials of Secondary Teaching
- Hper 3043- Methods and Materials in Physical Education P-12
- Mued 3312- Elementary School Music Methods
- Mued 3322- Secondary School Music Methods

### Core Professional Education (restricted classes)

- Educ 3223- Education of the Exceptional Child
- Educ 4313- Educational Psychology
- Educ 4333- Educational Technology

### Professional Semester (restricted classes)

- Educ 4312- Classroom Management
- Educ 4362- Educational Tests and Measurements
- Educ 4450- Student Teaching in Elementary School
- Educ 4720- Student Teaching in Secondary School
- Educ 4750- Student Teaching in Elementary/Secondary School



*OPSU student teacher interns take time to pose for the camera before heading out to practice in the classroom.*

### Teacher Education Timeline

What	When	Requirements
Application and Admission to Teacher Education Program	Sophomore year -- During or after EDUC 2001 and EDUC 2113. <u>OGET exam must be passed before application.</u> Deadlines: November 1 and March 31. <u>No applications in Summer.</u>	OGET English Proficiency* Speech Proficiency** 1st Portfolio Review Overall GPA of 2.50 2.50 GPA in required General Education courses
<i>Oklahoma General Education Test (OGET)</i>	<i>Must be passed before applying for admission to the OPSU Teacher Education Program</i>	<i>Passing score (240 or above)</i>
<i>Oklahoma Subject Area Test (OSAT)</i>	<i>Taken after or near completion of "major" courses. Must be passed prior to internship</i>	<i>Passing score (240 or above)</i>
Application and Admission to the Student Intern Program (student teaching) and the Professional Semester	Before <b>March 1</b> of the year prior to the time the candidate is eligible to perform his/her student teaching. <u>No applications in Summer.</u>	Admission to Teacher Education GPA of 2.50 in Gen. Ed., Major Course work, and minimum grade of C in all Major and Professional Education courses. All course work prior to Professional semester completed. <b>Passing score on OSAT prior to start of internship.</b>
<i>August Experience</i>	Prior to the beginning of the school year - both fall and spring student teachers will participate in the fall.	Minimum of 1/2 day setting up classroom, 1/2 day of professional development, and the first day of classes in public school. Reflection paper.
<i>Oklahoma Professional Education Test (OPTE)</i>	<i>Taken during or after the professional semester</i>	<i>Passing score (240 or above)</i>
<i>Application for Oklahoma Teaching License</i>	After <b>Program Completion</b> (all required certification exams) Pick up forms in Teacher Education Office.	Official Transcript Passing scores on all certification exams. Takes 2-6 weeks for processing
Residency Year	First full-time teaching position in Oklahoma	Public School will contact OPSU to set up Residency Year Committee
Application for Oklahoma Teaching Certificate	Following Residency Year	Successful completion of Residency Year
<p>Congratulations!!! You are now a Member of the Teaching Profession!</p> <p>*Grade of C or better in both English classes</p> <p>**Grade of C or better in Speech class and successful portfolio interview</p>		

**Revised April 2007**

**Faculty Contact:** R. Wayne Stewart  
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 Professor of Education  
 Hamilton Hall, 122A  
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 E-mail: rwstewart@opsu.edu

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**Elementary Education (BS) 124**  
**Semester Hours**

**General Education \*\*41 hours**  
**Communications 9**

\*Engl 1113-Freshman English I  
 \*Engl 1213-Freshman English II  
 \*Comm 1113-Speech Communication

**Mathematics 3**

\*Math 1513-College Algebra

**History and Political Science 12**

Pols 1013-American Government  
 American History Elective

**Science 12**

\*Choose at least one course from each area:

Biol 1304-Principles of Biology I  
 Physical Science with a Lab

**Humanities 6**

Choose six hours from the following areas: philosophy, humanities, music appreciation, art appreciation, literature, introduction to theater, world history, music history, world religion, others as approved by VPAA.

**Behavioral Sciences 6**

Sociology/Psychology elective  
 Economics elective

**Student Success 1**

Educ 1111-Stu. Success Sem.

**\*\*Note: The two hour Liberal Arts and Science elective requirement is met in the Additional 4x12 requirements section below. This will fulfill the required 41 hours of general education.**

**Co-Requisites for Education 5 hours**

Educ 2222-Communication Skills for Teachers  
 Educ 2233-Diversity in Education

**Elementary Education Major Course work 51 hours**

**Additional 4x12 Requirements - 19**

Engl 3013-English Usage  
 Math Elective  
 Math 2213-Structural Concepts/Primary  
 Math 2223-Structural Concepts/Intermediate  
 Geography Elective  
 Science Elective

**Elementary Education Core 33**

Educ 2623-Children's Literature

\*Educ 3233-Methods & Materials Reading

\*Educ 3253-Diagnostics & Prescriptive Teaching of Reading

\*Educ 3313-Foundations of Reading Instruction (pre-requisite for Educ 3413)

\*Educ 3333-Methods & Materials Creative Arts

\*Educ 3563-Practicum I

\*Hper 4032-Methods & Materials Elementary Physical Education

\*Educ 4173-Methods & Materials Elementary Math/Science

\*Educ 4223-Methods & Materials Language Arts

\*Educ 4273-Practicum II

\*Educ 4323-Methods & Materials Social Studies

**Professional Education 29 hours**

Educ 2001-Education Seminar

Educ 2113-Introduction to Education

Educ 3213-Human Development Child & Adolescent Psychology

\*Educ 3223-Education of the Except. Child

\*Educ 4313-Educational Psychology

\*Educ 4333-Educational Technology

\*\*Educ 4312-Classroom Management

\*\*Educ 4362-Educational Tests & Measurements

\*\*Educ 4450-Student Teaching in Elementary Schools (9)

**\*Restricted Classes-Must be Admitted to Teacher Education prior to Enrolling.**

**\*\*Restricted Classes-Must be admitted to professional semester prior to enrolling.**

**Note: Beginning in fall 2008, Educ 4312 and 4362 will be eliminated and replaced with Educ 4433-Elementary Classroom Management and Assessment, which will be offered every fall and spring, beginning with the spring 2008 semester. It will also be offered summer 2008. Educ 4450-Student Teaching will change to a full semester class for 12 credit hours.**

## Department of Health and Physical Education

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E-mail: rwstewart@opsu.edu

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<b>Health and Physical Education (BS)</b>	<b>124</b>
<b>Teaching Option</b>	<b>Semester Hours</b>

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<b>General Education</b>	<b>41 hours</b>
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<b>Communications</b>	<b>9</b>
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\*Engl 1113-Freshman English I

\*Engl 1213-Freshman English II

\*Comm 1113-Speech Communication

<b>Mathematics</b>	<b>3</b>
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\*Choose at least one from the following:

Math 1473-Math for Critical Thinking

Math 1513-College Algebra

<b>History and Political Science</b>	<b>6</b>
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\*Pols 1013-American Government

\*Choose at least one from the following:

Hist 1313-U.S. History 1492-1877

Hist 1323-U.S. History 1877-Present

<b>Natural Science</b>	<b>8</b>
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\*Choose at least one course from each area:

Biol 1304-Principles of Biology I

Physical Science with a lab

<b>Social and Behavioral Sciences</b>	<b>6</b>
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\*Psyc 2123-Psychology of Personal Adjustment  
Economics

<b>Humanities</b>	<b>6</b>
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\*Choose 6 hours from the following areas: philosophy, humanities, music appreciation, art appreciation, literature, introduction to theater, world history, music history, world religion, others as approved by VPAA. (Must include courses from two areas; no activity courses will count.)

<b>Liberal Arts and Science Elective</b>	<b>2</b>
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<b>Student Success</b>	<b>1</b>
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\*Educ 1111-Stu. Success Sem.

<b>Co-Requisites for Education</b>	<b>8 hours</b>
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Educ 2222-Communication Skills for Educators

Educ 2233-Diversity in Education

Educ 2323-Reading in the Content Area

<b>HPE (Teaching Option) Course work</b>	<b>42 hours</b>
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Biol 3124-Human Anatomy for Non-Majors

Hper 2003-Introduction to Management and Instruction in Physical Activities

Hper 2102-First Aid

Hper 2122-Care & Prevention of Athletic Injuries

Hper 2212-School & Community Health Programs

Hper 2222- Personal Health & Drug Awareness

Hper 2253-Foundations of Physical Exercise

Hper 3162-Eval of Physical Activities

Hper 3172-Adaptive & Therapeutic PE

Hper 3262-Kinesiology

Hper 3693-Physiology of Exercise

Hper 4012-Skills & Tech. Team Activities

Hper 4022-Skills & Tech. Indiv./Dual Activities

Hper 4123-Organization & Administration of  
Physical Education

<b>Electives</b>	<b>8 hours</b>
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Choose From:

Hper 3012-Fundamentals & Coaching Football

Hper 3022-Fundamentals & Coaching Basketball

Hper 3032-Fundamentals & Coaching Baseball and  
Softball

Hper 3042-Officiating

Hper 3052-Fundamentals & Coaching Track/Field

Hper 3062-Fundamentals & Coaching Volleyball

<b>Professional Education</b>	<b>33 hours</b>
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Educ 2112-Foundations of Education

Educ 2122-School and Society

Educ 2212-Principles of Teaching

Educ 3213-Human Development Child &  
Adolescent Psychology

\*Educ 3223-Education of the Except. Child

\*Educ 4313-Educational Psychology

\*Educ 4333-Educational Technology

\*Hper 4032-Meth & Mat Teaching Elem. P.E.

\*Hper 4042-Met & Mat Teaching Secondary P.E.

**\*Restricted Classes: Must be Admitted to  
Teacher Education Prior to Enrolling.**

\*\*Educ 4312-Classroom Management

\*\*Educ 4362-Educational Tests & Measurements

\*\*Educ 4750-Student Teaching in

Elementary/Secondary Schools (9 hours)

**\*\*Restricted Classes: Must be admitted to  
professional semester prior to enrolling.**

**Note: Beginning in fall 2008, Educ 4312 and 4362 will be eliminated and replaced with Educ 4433-Elementary Classroom Management and Assessment, which will be offered every fall and spring, beginning with the spring 2008 semester. It will also be offered summer 2008. Educ 4450-Student Teaching will change to a full semester class for 12 credit hours.**

**Other education degree programs are listed on the following pages:**

Agriculture Education ..... Page 97

Business Education ..... Page 108

Elementary Education ..... Page 123

English (Teaching Option) ..... Page 134

HPE (Teaching Option) ..... Page 124

Mathematics (Teaching Option) ..... Page 151

Social Studies (Teaching Option) ..... Page 131

Music (Teaching Option) ..... Page 142

**125**

**Health and Physical Education (BS) 124**  
**Semester Hours**

**Academic Option (non-teaching)**

**General Education 41**

Psyc 2123-Psychology of Personal Adjustment is required for the social science requirement in General Education.

**HPER Course work 44**

- Biol 3124-Human Anatomy for Non-Majors
- Hper 2003-Introduction to Mgmt and Instr in Physical Activities
- Hper 2102-First Aid
- Hper 2122-Care & Prevention of Athletic Injury
- Hper 2212-School & Community Health Programs
- Hper 2222-Personal Health & Drug
- Hper 2253-Foundations of Physical Education
- Hper 3162-Eval of Physical Activities
- Hper 3172-Adapt & Therapeutic PE
- Hper 3262-Kinesiology
- Hper 3693-Physiology of Exercise
- Hper 4012-Skills & Tech. Team Act.
- Hper 4022-Skills & Tech. Ind. & Dual Activities
- Hper 4123-Organization & Admin. of Physical Education
- Hper Electives - choose from (10 hours)**
- Hper 3012-Fund & Coaching of Football
- Hper 3022-Fund & Coachiing of Basketball
- Hper 3032-Fund & Coaching of Baseball & Softball
- Hper 3042-Officiating
- Hper 3052-Fund & Coaching Track & Field
- Hper 3062-Fund & Coaching Volleyball

**Electives (41 hours) to have degree = 124 hours**

**Selection of a minor is strongly encouraged.**

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**Health and Physical Education (BS) 124**  
**Semester Hours**


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**Sports & Exercise Management**


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**General Education 41**

Psyc 2123-Psychology of Personal Adjustment is required for the social science requirement in General Education.

**Sports and Exercise Core 42**

Biol 3124-Human Anatomy for Non-Majors

Hper 2003-Introduction to Mgmt & Instr in Physical Education

Hper 2102-First Aid

Hper 2122-Care & Prevention of Athletic Injury

Hper 2212-School & Community Health Programs

Hper 2222-Personal Health & Drug

Hper 2253-Foundations of Physical Education

Hper 3162-Evaluation of Physical Activities

Hper 3172-Adapt & Therapeutic PE

Hper 3262-Kinesiology

Hper 3273-Internship I

Hper 3693-Physiology of Exercise

Hper 4012-Skills and Techniques of Teaching Team Activities

Hper 4022-Skills and Techniques of Teaching Dual Activities

Hper 4123-Organization & Admin. of Physical Education

Hper 4273-Internship II

Hper 4822-Exercise & Fitness Prescription

**Management Core 36**

Acct 2103-Financial Accounting

Acct 2203-Managerial Accounting

Badm 2123-Microeconomics

Badm 3123-Business Law

Badm 3173-Business Communications

Badm 4603-Business Ethics

Cis 1113-Introduction to CIS

Cis 2223-Micro Applications

Fin 3773-Business Finance

Mgmt 3813-Principles of Management

Mktg 3913-Principles of Marketing

Mgmt 4873-Human Resource Management

**Electives 5**

Sufficient to equal 124 semester hours

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**Health and Physical Education Minor 18**  
**Semester Hours**

Hper 2102-First Aid

Hper 2122-Care and Prevention of Athletic Injury

Biol 3124- Human Anatomy - Non Majors

Hper 3262-Kinesiology

Hper 3693-Physiology of Exercise

Hper 4123-Organization and Administration of HPER

Electives (two hours)

(No activity classes will count)



*OPSU Lady Aggie Volleyball team member Val Armstrong prepares for the serve.*

## School of Liberal Arts

**Dean:**

Sara Jane Richter  
Professor of English  
Hughes-Strong Hall 109  
Phone: (580) 349-1472  
E-mail: saraj@opsu.edu

The School of Liberal Arts offers course work through which students may acquire an appreciation of a broad field of knowledge and values, learn effective communication through various media, develop self-expression through the arts, and work toward a wide variety of careers.

### Department of Behavioral and Social Sciences

**Department Head:**

Brad Duren  
Associate Professor of History  
Hamilton Hall 213  
Phone: (580) 349-1498  
E-mail: duren@opsu.edu

The Department of Behavioral and Social Sciences offers courses in economics, geography, history, law enforcement, political science, psychology, religion, and sociology. Only six hours of religion may count toward graduation.

Majors leading to a Bachelor of Arts (BA) degree are offered in history and social studies; a Bachelor of Science (BS) degree in psychology is offered. Social Studies majors are required to select only one of the concentrations offered.

Each course numbered 2000 or above used to fulfill requirements for a major must have been completed by the student with a minimum grade of C.

Requirements for degrees and teacher certification are printed in this section.



*Patrons view art exhibits at the 7th Annual Paul Farrell Memorial  
Scholarship Art Auction.*

**Faculty Contact:** Brad Duren  
 Head, Department of Behavioral and Social Sciences  
 Associate Professor of History  
 Hamilton Hall 213  
 Phone: (580) 349-1498  
 E-mail: duren@opsu.edu

**History (BA)****124 Semester Hours**

<b>General Education</b>	<b>41</b>
<b>Major</b>	<b>12</b>
Hist 1313-Early US History	
Hist 1323-Late US History	
Hist 2213-Early World History	
Hist 2223-Late World History	
<b>Upper Level American History Electives</b>	<b>9</b>
One course must be prior to 1877 AND	
One course must be since 1877	
<b>Upper Level European History Electives</b>	<b>9</b>
One course must be prior to 1648 AND	
One course must be since 1648	
<b>Co-requisite Requirements</b>	<b>6-8</b>
Foreign Language	
<b>Electives</b>	<b>21-29</b>
Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.	
<b>Minor</b>	<b>18-24</b>
A minor may be selected from any field that offers one.	

**Faculty Contact:** James Benjamin  
 Assistant Professor of Psychology  
 Hamilton Hall 201  
 Phone: (580) 349-1470  
 E-mail: ajbenjamin@opsu.edu

**Psychology (BS)****124 Semester Hours**

<b>General Education</b>	<b>41</b>
<b>Major</b>	<b>15</b>
Psyc 1113-General Psychology	
Psyc 3073-Elements of Physiological Psychology	
Psyc 3613-Statistics	
Psyc 3913-Experimental Psychology	
Soc 1113-Elements of Sociology	
<b>Psychology Electives</b>	<b>18</b>
<b>Electives</b>	<b>26-32</b>
Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.	
<b>Minor</b>	<b>18-24</b>
A minor may be selected from any field in which a minor is offered.	



*Winter in the Panhandle doesn't stop OPSU student Melody Gum from getting to class.*



**Faculty Contact:** Brad Duren  
 Head, Department of Behavioral and Social Science  
 Associate Professor of History  
 Hamilton Hall 213  
 Phone: (580) 349-1498  
 E-mail: duren@opsu.edu

<b>Social Studies (BA)</b>	<b>124</b>
<b>Academic Option</b>	<b>Semester Hours</b>
<b>General Education</b>	<b>41</b>
<b>Major</b>	<b>45</b>

Hist 1313-Early US History  
 Hist 1323-Late US History  
 Hist 2213-Early World History  
 Hist 2223-Late World History  
 Economics (three hours)  
 Geography (three hours)  
 Political Science courses numbered 2000 or above  
 (six hours)  
 Upper-Level European History before 1648 (three  
 hours)  
 Upper-Level European History after 1648 (three  
 hours)  
 Upper-Level American History before 1877 (three  
 hours)  
 Upper-Level American History after 1877 (three  
 hours)  
 Psychology (three hours)  
 Sociology (six hours)

**Minor**

A minor may be selected from any field that offers  
 one.

**Electives**

Sufficient courses to bring upper level hours to 40 credit  
 hours and total to 124 semester hours for graduation.

**Faculty Contact:** Brad Duren  
 Head, Department of Behavioral and Social Sciences  
 Associate Professor of History  
 Hamilton Hall 213  
 Phone: (580) 349-1498  
 E-mail: duren@opsu.edu

<b>Social Studies (BA)</b>	<b>124</b>
<b>Political Science Emphasis</b>	<b>Semester Hours</b>
<b>Academic Option</b>	<b>41</b>
<b>General Education</b>	<b>41</b>
<b>Major</b>	<b>45</b>

Hist 1313-Early US History  
 Hist 1323-Late US History  
 Hist 2223-Late World History  
 Soc 3613-Statistics  
 Political Science courses numbered 2000 or above  
 (18 hours)  
 Economics (six hours)  
 Geography (three hours)  
 Psychology (three hours)  
 Sociology (three hours)

**Minor**

A minor may be selected from any field that offers  
 one.

**Electives**

Sufficient courses to bring upper level hours to 40 credit  
 hours and total to 124 semester hours for graduation.

**130**

**Faculty Contact:** Brad Duren  
 Head, Department of Behavioral and Social Science  
 Associate Professor of History  
 Hamilton Hall 213  
 Phone: (580) 349-1498  
 E-mail: duren@opsu.edu

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**Social Studies (BA) 124**

**Economics Emphasis**

**Academic Option Semester Hours**

**General Education 41**

**Major 45**

Hist 1313-Early US History  
 Hist 1323-Late US History  
 Hist 2223-Late World History  
 Soc 3613-Statistics  
 Economics (18 hours)  
 Geography (three hours)  
 Political Science courses numbered 2000 or above  
 (six hours)  
 Psychology (three hours)  
 Sociology (three hours)

**Minor**

A minor may be selected from any field that offers one.

**Electives**

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.

**Faculty Contact:** Brad Duren  
 Head, Department of Behavioral and Social Science  
 Associate Professor of History  
 Hamilton Hall 213  
 Phone: (580) 349-1498  
 E-mail: duren@opsu.edu

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**Social Studies (BA) 124**

**Sociology Emphasis Semester Hours**

**Academic Option**

**General Education 41**

**Major 45**

Hist 1313-Early US History  
 Hist 1323-Late US History  
 Hist 2223-Late World History  
 Soc 3613-Statistics  
 Economics (six hours)  
 Geography (three hours)  
 Political Science courses numbered 2000 or above  
 (six hours)  
 Psychology (three hours)  
 Sociology (15 hours)

**Minor**

A minor may be selected from any field that offers one.

**Electives**

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.



*OPSU boasts part of its newest student living quarters. The New Student Apartments were completed in 2004 and at full capacity house 144 students.*

**Faculty Contact:** Brad Duren  
 Head, Department of Behavioral and Social Sciences  
 Associate Professor of History  
 Hamilton Hall 213  
 Phone: (580)-349-1498  
 E-mail: duren@opsu.edu

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**Social Studies (BA) 124**

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**Teaching Option Semester Hours**

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**General Education 50**

Students majoring in Social Studies Education (BA) not seeking teacher certification need only take 40 hours of general education required of other non-teacher certification seeking students.

**Communications 9**

- \*Engl 1113-Freshman English I
- \*Engl 1213-Freshman English II
- \*Comm 1113-Speech Communication

**Mathematics 3**

- \*Choose one of the following:
  - Math 1473-Math for Critical Thinking
  - Math 1513-College Algebra

**History and Political Science 6**

- \*Pols 1013-American Government and Politics
- Choose one of the following:
  - Hist 1313-Early US History
  - Hist 1323-Late US History

**Natural Science 8**

- Biol 1304-Principles of Biology I
- Physical Science with a lab

**Social and Behavioral Sciences 6**

- \*Choose one course from each area:
  - Sociology/Psychology
  - Economics

**Cross Cultural Studies 3**

- \*Educ 2233-Diversity in Education

**Humanities 6**

\*Choose six hours from the following areas: philosophy, humanities, music appreciation, art appreciation, art history, literature, introduction to theater, world history, music history, world religion and others as approved by the Vice President for Academic Affairs. Must include courses from two areas. No activity courses count.

**Physical Education 2**

- \*Hper 2102-First Aid

**Student Success Seminar 1**

- \*Educ 1111-Student Success Seminar

**Additional Liberal Arts and Science electives 3**

**Additional Required Education Classes 8**

- \*Educ 2222-Communication skills for Educators
- \*Educ 2323-Reading in the Content Area
- \*Required for Secondary Social Studies Education Majors.

**Social Studies Education Major Course work 41 hours**

- Hist 1313-Early US History
- Hist 1323-Late US History
- Hist 2213-Intro to Early World History
- Hist 2223-Intro to Late World History
- Hist 2453-Oklahoma History
- Upper Level US History before 1877 (three hours)
- Upper Level US History after 1877 (three hours)
- Upper Level European History (three hours)
- Political Science courses numbered 2000 or above (six hours)
- Sociology (three hours)
- Economics (three hours)
- Geography (three hours)

**Electives as needed to have major equal 41 hours and degree equal 124 hours.**

**Professional Education 33 hours**

- Educ 2112-Foundations of Education
- Educ 2122-Schools and Society
- Educ 2212-Principles of Teaching
- Educ 3213-Human Development Child and Adolescent Psychology
- \*Educ 3223-Educ of the Exceptional Child
- \*Educ 4313-Educational Psychology
- \*Educ 4333-Educational Technology
- \*Educ 4222-Methods and Materials for Secondary Teaching
- \*Restricted Classes: Must be admitted to teacher education prior to enrolling.**
- \*\*Educ 4312-Classroom Management
- \*\*Educ 4362-Educational Tests and Measurements
- \*\*Educ 4720-Student Teaching in Secondary Schools (nine hours)
- \*\*Restricted Classes: Must be admitted to professional semester prior to enrolling.**

**Please refer to pages 116-124 for information about the OPSU Teacher Education Program.**

**Department of Behavioral and  
Social Science Minors**

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**Economics** **18 Semester Hours**

Badm 3573-Money and Banking  
Badm 3613-Statistics  
Economics electives (12 hours)  
(Except Econ 2013-Elements of Economics)

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**History** **18 Semester Hours**

American History (9 hours)  
(6 hours 2000 level or above)  
European History (9 hours)

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**Law Enforcement** **18 Semester Hours**

Pols 3753-American Constitutional Law  
Law Enforcement courses (15 hours)



*Head of Behavioral and Social Science, Dr. Brad Duren  
speaks at the Academic Awards ceremony.*

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**Political Science** **18 Semester Hours**

Soc 3613-Statistics  
Political Science courses (15 hours)

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**Psychology** **18 Semester Hours**

Psyc 1113-General Psychology  
Psyc 3913-Experimental Psychology  
Psyc 3073- Physiological Psychology  
Psychology courses (9 hours)

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**Sociology** **18 Semester Hours**

Soc 3613-Statistics  
Sociology courses (15 hours)

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**Social Studies** **18 Semester Hours**

Any combination of courses (numbered 2000 or above) may be selected from any of the following areas:

- History
- Political Science
- Sociology
- Psychology
- Law Enforcement
- Geography
- Economics
- Religion (6 hours only)

**Religion Studies**

Religion studies provide general biblical knowledge and an orientation to Christianity. Effort is made in all courses to explore religious insights into present-day social problems. All religion courses are electives; neither a major nor a minor may be declared in this area. A maximum of six semester hours in religion may be counted toward graduation though more courses than this number may be taken by the student.

## Department of Communication

**Department Head:** Tom Lewis  
 Instructor of English  
 Hughes-Strong Hall, 113  
 Phone: (580) 349-1492  
 E-mail: tlew@opsu.edu

The Department of Communication offers courses in the following academic areas: English, Spanish, and speech. These areas promote communication skills such as writing, speaking, listening, and reading. A Bachelor of Arts degree in English (academic or teacher certification) is offered as well as minors in English, Speech, Technical Writing, Spanish, and Teaching English as a Second Language.

### English

**Faculty Contact:** Sara Jane Richter  
 Dean, School of Liberal Arts  
 Professor of English  
 Hughes-Strong Hall 109  
 Phone: (580) 349-1472  
 E-mail: saraj@opsu.edu

English studies offers basic courses in composition, literature, and usage for all students in the University and advanced courses leading to the Bachelor of Arts (BA) degree in English — teacher certification or academic option. A student must receive at least a C in each course in either the teacher certification major coursework or the academic major coursework. Minors in English for non-teachers and for Teacher Education candidates are offered as well. The following information outlines requirements for these programs.

Students committing to the English (BA) academic option as beginning freshmen qualify for a “time to degree” contract arrangement under which, if students fulfill prescribed requirements, the University guarantees completion of the degree program within four years. See the Dean of the School of Liberal Arts for details.

English (BA) Academic Option	Semester Hours
<b>General Education</b>	<b>41</b>
<b>Major—Pre-Professional</b>	<b>27</b>
Engl 2413-Critical Approaches to Literature	
Engl 3013-English Usage/Linguistics	
Engl 3023-Technical Writing	
Engl 3123-Advanced Grammar	
Engl 3143-Survey of British Literature I	
OR	
Engl 3153-Survey British Literature II	
OR	
Engl 3163-Survey British Literature III	
Engl 3173-Survey American Literature I	
OR	
Engl 3183-Survey American Literature II	
Engl 3353-World Literature	
Engl 4123-Advanced Composition	
<b>English Electives</b>	<b>15</b>
English courses numbered 2000 and above	
<b>Electives</b>	<b>15-23</b>
Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.	
<b>Minor</b>	<b>18-24</b>
A minor may be selected from any field that offers one.	

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<b>English (BA)</b>	<b>124</b>
<b>Teaching Option</b>	<b>Semester Hours</b>

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<b>General Education</b>	<b>50</b>
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<b>Communications</b>	<b>9</b>
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- \*Engl 1113-Freshman English I
- \*Engl 1213-Freshman English II
- \*Spch 1113-Speech Communication

<b>Mathematics</b>	<b>3</b>
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- \*Choose one of the following:
  - Math 1473-Math for Critical Thinking
  - Math 1513-College Algebra

<b>History and Political Science</b>	<b>6</b>
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- \*Pols 1013-American Government
- \*Choose at least one of the following:
  - Hist 1313-US History 1492-1877
  - Hist 1323-US History 1877-Present

<b>Natural Science</b>	<b>8</b>
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- Biol 1304-Principles of Biology I
- Physical Science with a Lab

<b>Social and Behavioral Sciences</b>	<b>6</b>
---------------------------------------	----------

- \*Choose at least one course from each category:
  - Sociology/Psychology
  - Economics

<b>Cross Cultural Studies</b>	<b>3</b>
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- \*Educ 2233-Diversity in Education

<b>Humanities</b>	<b>6</b>
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- Engl/Hum 2413-Critical Approaches to Literature
- \*Choose three hours from the following areas: philosophy, humanities, music appreciation, art appreciation, art history, literature, intro to theater, world history, music history, world religion, and others as approved by VPAA. Must include courses from two areas. No activity courses count.

<b>Student Success</b>	<b>1</b>
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- \*Educ 1111-Student Success Seminar

<b>Additional Liberal Arts and Science Elective</b>	<b>3</b>
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<b>Additional Required Education Classes</b>	<b>8</b>
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- \*Educ 2222-Communication Skills for Educators
- \*Educ 2323-Reading in the Content Area
- \*Required for Secondary English Education Majors

<b>English Education Major Course Work</b>	<b>40 hours</b>
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- Engl 2453-Adolescent and Young Adult Literature
- Engl 3013-English Usage/Linguistics
- Engl 3023-Technical Writing
- Engl 3123-Advanced Grammar
- Engl 3143-British Literature I
- Engl 3153-British Literature II

- Engl 3163-British Literature III
- Engl 3173-American Literature I
- Engl 3183-American Literature II
- Engl 3553-World Literature
- Engl 4002-Seminar (Repeatable for elective credit with different content)
- Engl 4123-Advanced Composition

**Electives - Select 6 hours from the following courses:**

- Engl 2423-Short Story
- Engl 3242-Poetry
- Engl 3363-Selected Topics
- Engl 3883-Shakespeare
- Engl 4000-Problems in English
- Engl 4432-Analysis of Modern Drama
- Spch 2413-Introduction to Theater
- Spch 2713-Voice and Articulation
- Spch 3412-Art of Acting
- Spch 3713-Argumentation and Logic
- Spch 3723-Interpretation

<b>Professional Education</b>	<b>34 hours</b>
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- Educ 2112-Foundations of Education
- Educ 2122-Schools and Society
- Educ 2212-Principles of Teaching
- Educ 3213-Human Development Child and Adolescent Psychology
- \*Educ 3223-Education of the Exceptional Child
- \*Educ 4313-Educational Psychology
- \*Educ 4333-Educational Technology
- \*Engl 4313-Methods of Teaching English in Secondary Schools or equivalent
- \*Restricted Classes: Must be admitted to Teacher Education prior to enrolling.**
- \*\*Educ 4312-Classroom Management
- \*\*Educ 4362-Educational Tests and Measurements
- \*\*Educ 4720-Student Teaching in Secondary Schools (nine hours)
- \*\*Restricted Classes: Must be admitted to professional semester prior to enrolling.**

**Please refer to pages 116-124 for information about the OPSU Teacher Education Program.**

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## English Minors

**Faculty Contact:** Tom Lewis  
 Instructor of English  
 Hamilton Hall 113  
 Phone: (580) 349-1492  
 E-mail: tlew@opsu.edu

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### Minor in English for Teachers 24 Semester Hours

Engl 2413-Critical Approaches to Literature  
 Engl 3013-English Usage/Linguistics  
 Engl 3123-Advanced Grammar  
 Engl 3353-World Literature  
 Engl 3883-Shakespeare  
 Engl 4123-Advanced Composition  
 American Literature (six hours)  
 OR  
 British Literature (six hours)

---

### Minor in English for Non-teachers 18 Semester Hours

Engl 2413-Critical Approaches to Literature  
 Engl 3013-English Usage/Linguistics  
 English Electives (12 hours)  
 Numbered 2000 or above with a minimum of 3  
 hours in composition/grammar

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### Minor in Technical Writing 18 Semester Hours

Badm/Engl 3023-Technical Writing  
 Badm 3173-Business Communications  
 CIS 2223-Micro Applications  
 Engl 3223-Technical Editing  
 Engl 4223-Advanced Technical Writing  
 Engl 4553-Seminar in Technical Writing



*Slick Ballard, art student, works with the  
 potter's wheel.*

## Foreign Language Studies

**Faculty Contact:** Sara Jane Richter  
 Dean, School of Liberal Arts  
 Professor of English  
 Hughes-Strong Hall 109  
 Phone: (580) 349-1472  
 E-mail: saraj@opsu.edu

Foreign Language offers a Spanish major and two minors: Spanish and Teaching of English to Speakers of Languages (TESOL). Each proves invaluable to students who plan to teach in the public schools or work with the general public. A combination of both areas will equip to improve their success level after graduation.

A Spanish major will allow students to be fully prepared to teach the Spanish language in public schools at all four skill levels: listening, speaking, reading, and writing. The Spanish major also instructs students in advanced language work as well as literature and culture. Additionally, the Spanish major will prepare students who wish to advance to graduate work.

A Spanish minor prepares students for the significant challenges that they will face in a rapidly changing and diverse, multicultural society. Teachers who work in the elementary schools will benefit from having familiarity with Spanish in a rapidly changing world where English may not be the majority language spoken. Familiarity with a foreign language also aids business people, medical and legal professionals, and law enforcement personnel.

The TESOL minor benefits students who wish to become public school teachers and specialists of English as a Second Language (ESL). In contemporary American life, all teachers need to be aware of and understand the cultural differences in the student body as well as techniques and methodologies of equalizing language acquisition and development in addition to having an understanding of unbiased assessment and evaluation. All these areas are taught within the TESOL minor.

### Faculty Contact:

Sara Jane Richter  
 Dean, School of Liberal Arts  
 Professor of English  
 Hughes-Strong Hall 109  
 Phone: (580) 349-1472  
 E-mail: saraj@opsu.edu

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<b>Spanish (BA)</b>	<b>124</b>
	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
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<b>Major</b>	<b>45</b>
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<b>Required Classes</b>	<b>26</b>
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Span 1114-Elementary Spanish I

Span 1224-Elementary Spanish II

Span 2113-Intermediate Spanish I

Span 2223-Intermediate Spanish II

Span 3073-Peninsular Language, Literature and Culture I

Span 3083-Latin American Language, Literature and Culture I

Span 3173-Peninsular Language, Literature and Culture II

Span 3183-Latin American Language, Literature and Culture II

**Select 19 hours from the following courses:**

Span 3113-Advanced Spanish Grammar

Span 3233-Advanced Spanish Conversation

Span 3303-Advanced Spanish Composition

Span 4000-Problems in Spanish

Span 4113-Spanish Civilization

Span 4123-Individual Topics in Spanish Literature

Span 4223-Individual Topics in Latin American Literature

Span-4233-Latin American Civilization

Span-4313-Spanish Phonetics

**Electives**

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.

<b>Minor</b>	<b>18-24</b>
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A minor may be selected from any field that offers one.

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<b>Spanish Minor</b>	<b>24 Semester Hours</b>
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Span 1114-Elementary Spanish I

Span 1224-Elementary Spanish II

(or equivalent)

Spanish Electives numbered 2000 or above (16hours)



## Speech

**Faculty Contact:** Russell Guthrie  
Associate Professor of Speech  
Hughes-Strong Hall 221  
Phone: (580) 349-1478  
E-mail: rguthrie@opsu.edu

Course work in speech increases students' effectiveness in oral communication; develops knowledge and skills for professional use in education, business, political science, and theater arts; and develops an aesthetic appreciation for the art of rhetoric. Speech courses meet the needs of students interested in public speaking, organizational communication in management, and drama.

### Speech Minor 18 Semester Hours

Select 18 hours from the speech curriculum with a minimum of six hours in courses numbered 3000 or above



*Dean, School of Liberal Arts, Sara Richter congratulates graduate Marcus Mallard at the 2007 Commencement Ceremony.*

**Faculty Contact:** Sara Jane Richter  
Dean, School of Liberal Arts  
Professor of English  
Hughes-Strong Hall 109  
Phone: (580) 349-1472  
E-mail: saraj@opsu.edu

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### Liberal Arts (BA) 124

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**General Education** 41  
**Humanities** 25

Hum 1533-Art Appreciation  
Hum 2563-Music in Life  
Hum 2113-General Humanities I

OR

Hist 2213-Early World History  
Hum 2223-General Humanities II

OR

Hist 2223-Late World History  
Hum 2333-Philosophy of Life  
Hum 2423-Introduction to Theater  
Hum 2413-Critical Approaches to Literature  
Hum 3100-Experiences in Humanities (up to 4  
hours credit: taken once for 4 hours  
or taken twice with different content  
for 2 hours each)

**History** 9

6 hours upper level European history (3000/4000 level)

3 hours upper level American history (3000/4000 level)

**Literature** 9

Upper level literature (3000/4000 level)

**Art** 9

Art 3303-Art History I

Art 4303-Art History II

Art 4323-History of Modern Art

**Music** 9

Musi 2413-Ethnomusicology

or

Hum 2573-History of Popular Music

Musi 2312-Music History I

Musi 2322-Music History II

Musi 3332-Music History III

**Foreign Language** 4-8

(other than English)

**Minor** 18

A minor may be selected from any field that offers one.

## Department of Humanities

**Faculty Contact:** Russell Guthrie  
Associate Professor of Speech  
Hughes-Strong Hall 221  
Phone: (580) 349-1478  
E-mail: rguthrie@opsu.edu

The mission of the humanities is to investigate creative endeavors of different cultures and eras in history and to cultivate an aesthetic sensitivity for the fine arts.

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### **Humanities Minor                      18 Semester Hours**

Select 18 hours from any of the following areas. No performance or activity courses count toward this minor.

Any course in humanities (HUM prefix)

Any course in literature

Any course in western civilization or world history

Any course in art history

Any course in music history or music literature

Any course in foreign language literature or culture



*OPSU students Mallory Turlington and Scott Garrison at dress rehearsal for the School of Liberal Arts production of "Rumors" by Neil Simon.*

## Department of Art

**Department Head:** Bryon Test  
 Assistant Professor of Art  
 Hesper Hall 203  
 Phone: (580) 349-1480  
 E-mail: btest@opsu.edu

Art studies are based on the study of design, drawing, painting, and art history. Art electives include sculpture, ceramics, lettering, and advanced study in drawing and painting. The aim of this program is to give students a wide experience in art.

### Fine Arts Studies

**Faculty Contact:** Bryon Test  
 Head, Department of Art  
 Assistant Professor of Art  
 Hesper Hall 212  
 Phone: (580) 349-1480  
 E-mail: btest@opsu.edu

The course work in the Bachelor of Fine Arts degree focuses on two separate tracts of study: visual arts and computer graphics. The visual arts tract consists of in-depth studies in two-dimensional art and in three-dimensional art. Beginning with fundamentals of art, course work builds comprehensively upon each course taken to give students a consistent growth of knowledge in the areas of design, composition, color theory, and various techniques and experiments. The two-dimensional aspect focuses on drawing and painting skills with the addition of classes in upper-level figure drawing, painting, art problems, and art marketing. The three-dimensional aspect focuses on different facets of ceramic design, techniques, glazing and firing, and experimentation with glazing and clay body design. The overall objective of the visual arts tract is to gain sufficient skills and techniques in a studio environment, as well as to focus one's artwork toward market trends and to enter one's work into area galleries.

The computer graphics tract takes a unique approach of cross-discipline course work to tie traditional art studio classes with state of the art computer programming and software. Course work includes traditional art classes, computer lab work, and computer programming. This degree is designed for those students who wish to focus their energies in a growing field of computer assisted art, internet design, video gaming, and movie production.

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<b>Bachelor of Fine Arts (BFA)</b>	<b>126</b>
<b>Art Option</b>	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
<b>Art Requirements</b>	<b>85</b>

Art 1123-Photography  
 Art 1433-Fundamentals of Art  
 Art 2123-Drawing I  
 Art 2223-Drawing II  
 Art 2323-Art Workshop  
 Art 2443-Design  
 Art 2533-Ceramics I  
 Art 2543-Ceramics II  
 Art 2853-Painting I  
 Art 2933-Painting II  
 Art 3153-Figure Drawing I  
 Art 3163-Figure Drawing II  
 Art 3303-Art History I  
 Art 3333-Sculpture I  
 Art 3343-Sculpture II  
 Art 3353-Ceramics III  
 Art 3423-Painting III  
 Art 3543-Painting IV  
 Art 3613-Jewelry I  
 Art 3663-Printmaking  
 Art 4000-Problems in Art  
 (May be repeated 4 times)  
 Art 4013-Watercolor I  
 Art 4303-Art History II  
 Art 4421-Senior Exhibit  
 Art 4423-Watercolor II  
 Art 4563-Ceramics IV

### Minor

A minor may be selected from any field that offers one. However, a minor is not required for this degree, and minor hours are not included in the 126 semester hours required for this degree.

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<b>Bachelor of Fine Arts (BFA)</b>	<b>126</b>
<b>Computer Graphic Option</b>	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
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<b>Art Requirements</b>	<b>34</b>
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Art 1123-Photography

Art 1433-Fundamentals of Art

Art 2123-Drawing I

Art 2223-Drawing II

Art 2243-Design

Art 3153-Figure Drawing I

Art 3163-Figure Drawing II

Art 3333-Sculpture I

Art 3343-Sculpture II

Art 3303-Art History I

Art 4303-Art History II

Art 4421-Senior Exhibit

<b>Select from the following courses</b>	<b>12</b>
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Art 2533-Ceramics I

Art 2853-Painting I

Art 2933-Painting II

Art 3423-Painting III

Art 4013-Watercolor I

Art 4423-Watercolor II

Art 4523-Art Marketing II

Art 3663-Printmaking

Art 4000-Problems in Art

(May be repeated four times)

<b>Required Electives</b>	<b>6</b>
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Art 4523-Art Marketing

Engl 3023-Technical Writing

<b>Computer Graphics Requirements</b>	<b>33</b>
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Cis 2613-Typography

Cis 2633-Audio for Games and Video

Cis 3113-Advanced HTML/Internet

Cis 3393-Video Editing

Cis 4233-Game Level Design

Cis 4413-Web Animation

Art/Cis 2623-Survey of 2D Graphics

Art/Cis 3313-Modeling I

Art/Cis 3383-Advanced Modeling and Lighting

Art/Cis 4423-Computer Animation

Art/Cis 4433-Senior Project in Animation

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<b>Art Studies Minor</b>	<b>24 Semester Hours</b>
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Art 1433-Fundamentals of Art

Art 2113-Drawing I

Art 2243-Design

Art Electives (15 hours)

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<b>Photography Minor</b>	<b>24 Semester Hours</b>
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Art 1123-Photography I

Art 2243-Design

Art 2623-Photography II

Art 3303-Art History I

OR

Art 4303-Art History II

Art 4000 (12 hours) - Photography preferred courses

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<b>Art History Minor</b>	<b>21 Semester Hours</b>
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Hist 2113-Introduction to Early World History

Hist 2223-Introduction to Late World History

Art 3303-Art History I

Art 4303-Art History II

Art 4343-History of Medieval Art

Art 4333-History of Italian Renaissance Art

Art 4323-History of Modern Art

## Department of Music

**Department Head:** Tracey Gregg-Boothby  
Instructor of Music (Vocal)  
Hughes-Strong Hall 208  
Phone: (580) 349-1482  
E-mail: tgregg@opsu.edu

Music studies offers courses in music theory, music history and literature, pedagogy, conducting, education methods, composition and arranging, and applied music leading to a Bachelor of Music degree. There are five separate options available: 1) general music, 2) music education, 3) music pedagogy, 4) vocal performance, and 5) instrumental performance. The music education option prepares students in vocal and instrumental music education and culminates in professional education courses and student teaching leading to certification. The music pedagogy option is designed for students who do not desire a primary or secondary school certification but who wish to be private teachers or community directors or who seek admission to graduate schools. Performance options are designed for students who wish to focus their energies in applied music with the ultimate goal of having a professional career in performance or of being admitted to a graduate school program in music. All music majors must pass core classes with a minimum grade of "C."

**Faculty Contact:** Tracey Gregg-Boothby  
Instructor of Music (Vocal)  
Hughes-Strong Hall 208  
Phone: (580) 349-1482  
E-mail: tgregg@opsu.edu

<b>Music (BM)</b>	<b>124 Semester</b>
<b>Hours</b>	<b>General Music</b>
<b>General Education</b>	<b>41</b>
<b>Core Requirements</b>	<b>21</b>
<b>Humanities</b> (nine hours)	
Hum 1533-Art Appreciation	
Hum 2333-Philosophy of Life	
Hum 2423-Intro to Theater	
OR	
Spch 3703-Small Group Discussion	
<b>Art</b> (three hours)	
Art 3303-Art History I	
OR	
Art 4303-Art History II	

**Literature** (six hours)  
Engl 2413-Critical Approaches to Literature  
Upper division English course (three hours)

**World Studies** (three hours)

Rel 2032-World Religion

OR

Soc 2003-Critical Thinking

OR

Engl 3353-World Literature

**Theory**

**17**

Musi 1521-Theory of Music I Lab

Musi 1523-Theory of Music

Musi 1531-Theory of Music II Lab

Musi 1533-Theory of Music II

Musi 2543-Theory of Music III

Musi 2553-Theory of Music IV

Musi 3563-Forms and Analysis

**History & Literature**

**8**

Musi 2312-Music Literature

Musi 2412-Ethnomusicology

Musi 3332-History and Literature of Music I:

Medieval to Baroque

Musi 3342-History and Literature of Music II:

Classical to 20th century

**Applied Music**

**26**

Mupe 2711-Music Theater Prod-three semesters

OR

Mupe 1311-Jazz Band-four semesters

Mupi 1XX0-Private Lesson

(lower division)-four semesters

Mupi 3XX0-Private Lesson

(upper division)-four semesters

Mupe 1XXX- Major Ensemble-eight semesters

All music majors must be in an ensemble appropriate for their principal instrument every semester of residence. Barrier examinations in theory and applied music must be successfully completed before advancement to the junior level.

All entering music majors must take a placement examination in theory before their first enrollment. A keyboard proficiency examination must be passed before graduation.

**Music Education**

**2**

Musi 3612-Orchestration

**Electives and Minor**

Sufficient course work to bring total hours to 124.

<b>Music (BM)</b>	<b>161-164</b>
<b>Music Education Option</b>	<b>Semester Hours</b>
<b>General Education</b>	<b>50</b>
<b>Communications</b>	9
*Engl 1113-Freshman English I	
*Engl 1213-Freshman English II	
*Comm 1113-Speech Communication	
<b>Mathematics</b>	3
*Choose one of the following:	
Math 1473-Math for Critical Thinking	
Math 1513-College Algebra	
<b>History and Political Science</b>	6
*Pols 1013-American Government	
*Choose at least one of the following:	
Hist 1313-US History 1492-1877	
Hist 1323-US History 1877-Present	
<b>Natural Science</b>	8
Biol 1304-Principles of Biology I	
Physical Science	
<b>Social and Behavioral Sciences</b>	6
*Choose at least one course from each category:	
Sociology/Psychology	
Economics	
<b>Cross Cultural Studies</b>	3
Educ 2233-Diversity in Education	
<b>Humanities</b>	6
*Hum 2223-General Humanities II	
Choose from Humanities, music appreciation, music history, art appreciation, literature, introduction to theater, philosophy, world history, and/or world religion (Must include courses from two areas).	
<b>Physical Education</b>	2
*Hper 2102-First Aid	
<b>Student Success</b>	1
*Educ 1111-Student Success Seminar	
<b>Additional Liberal Arts and Science Electives</b>	3
<b>Additional Required Education classes</b>	8
*Educ 2222-Communication Skills for Educators	
*Educ 2323-Reading in the Content Area	
*Required for General Education Music Teaching Option.	

<b>Theory</b>	19
Musi 1521-Theory of Music I Lab	
Musi 1523-Theory of Music I	
Musi 1531-Theory of Music II Lab	
Musi 1533-Theory of Music II	
Musi 2541-Theory of Music III Lab	
Musi 2543-Theory of Music III	
Musi 2551-Theory of Music IV Lab	
Musi 2553-Theory of Music IV	
Musi 3563-Forms and Analysis	
<b>History &amp; Literature</b>	8
Musi 2312-Music Literature	
Musi 2412-Ethnomusicology	
Musi 3332-History and Literature of Music I: Medieval to Baroque	
Musi 3342-History and Literature of Music II: Classical to 20th century	
<b>Applied Music</b>	23
Mupi 1XX0-Private Lesson (lower division) - four semesters	
Mupi 3XX0-Private Lesson (upper division) three semesters	
Muap 4991-Recital	
Mupe 1XXX-Major Ensemble - eight semesters	
All music majors must be in an ensemble appropriate for their principal instrument every semester of residence. Barrier examinations in theory and applied music must be successfully completed before advancement to the junior level. A keyboard proficiency examination must be passed before graduation. All entering music majors must take a placement examination in theory before their first enrollment.	
<b>Music Education</b>	18
Mued 2111-Woodwind Pedagogy	
Mued 2211-Brass Pedagogy	
Mued 2311-Percussion Techniques	
Mued 2411-Strings Pedagogy	
Students with sufficient technical skill on a given instrument may challenge out of the appropriate semester of methods courses. A maximum of 3 units may be challenged.	
Mued 2521-Diction for Singers I	
Mued 2431-Diction for Singers II	
Mued 3112-Principles of Conducting	
Mued 3122-Instrumental Conducting	
Mued 3132-Choral Conducting	
Mued 3212-Vocal Pedagogy	
Mued 3612-Orchestration	
Mued 3622-Instrumental and Vocal Arranging	
<b>Required Elective</b>	
Mued 4112-Independent Study in Conducting	

<b>Professional Education</b>	35
Educ 2112-Foundations of Education	
Educ 2122-Schools and Society	
Educ 2212-Principles of Teaching	
Educ 3213-Human Development: Child and Adolescent Psychology	
*Educ 3223-Education of the Exceptional Child	
**Educ 4312-Classroom Management	
*Educ 4313-Educational Psychology	
*Educ 4333-Educational Technology	
**Educ 4362-Educational Tests and Measurements	
*Mued 3312-Elementary School Music Methods	
*Mued 3322-Secondary School Music Methods	
**Educ 4750-Student Teaching in Elementary /Secondary Schools	

**\*Restricted classes — Must be admitted to Teacher Education Program prior to enrolling.**

**\*\*Restricted classes — Must be admitted to professional semester prior to enrolling.**

**Please refer to pages 116-124 for information about the OPSU Teacher Education Program.**

<b>Music (BM)</b>	<b>Semester</b>	<b>Hours</b>
<b>Music Pedagogy Option</b>		<b>124</b>
<b>General Education</b>		<b>41</b>
<b>Core</b>		<b>75</b>
<b>Theory</b>	19	
Musi 1521-Theory of Music I Lab		
Musi 1523-Theory of Music		
Musi 1531-Theory of Music II Lab		
Musi 1533-Theory of Music II		
Musi 2541-Theory of Music III Lab		
Musi 2543-Theory of Music III		
Musi 2551-Theory of Music IV Lab		
Musi 2553-Theory of Music IV		
Musi 3563-Forms and Analysis		
<b>History &amp; Literature</b>	8	
Musi 2312-Music Literature		
Musi 2412-Ethnomusicology		
Musi 3332-History and Literature of Music I: Medieval to Baroque		
Musi 3342-History and Literature of Music II: Classical to 20th century		

<b>Applied Music</b>	23
Muap 4991-Recital	
Mupi 1XX0-Private Lesson (lower division)-4 semesters	
Mupi 3XX0-Private Lesson (upper division)-3 semesters	
Mupe 1XXX- Major Ensemble-8 semesters	

All music majors are required to be in an ensemble appropriate for their principal instrument every semester of residence. Barrier examinations in theory and applied music must be successfully completed before advancement to the junior level. A keyboard proficiency examination must be passed before graduation. All entering music majors must take a placement examination in theory before their first enrollment.

<b>Music Education</b>	25
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Mued 2111-Class Woodwind I
Mued 2121-Class Woodwind II
Mued 2211-Class Brass I
Mued 2221-Class Brass II
Mued 2311-Class Percussion
Mued 2411-Class Strings I
Mued 2421-Class Strings II
Mued 2511-Class Voice

Students with sufficient technical skill on a given instrument may challenge out of the appropriate semester of methods courses. A maximum of 3 units may be challenged.

Mued 2521-Diction for Singers I
Mued 2431-Diction for Singers II
Mued 3212-Vocal Pedagogy
Mued 3612-Orchestration
Mued 3622-Instrumental and Vocal Arranging
Mued 3112-Principles of Conducting
Mued 3122-Instrumental Conducting
Mued 3132-Choral Conducting

#### **Electives**

Sufficient course work to bring total hours to 124.

**144**

**Faculty Contact:** Tracey Gregg-Boothby  
 Instructor of Music (Vocal)  
 Hughes-Strong Hall 208  
 Phone: (580) 349-1482  
 E-mail: tgregg@opsu.edu

**Music (BM) 124 Semester Hours**

**Vocal Performance Option**

**General Education 41**

**Core 64**

**Theory (19 hours)**

Musi 1521-Theory of Music I Lab

Musi 1523-Theory of Music

Musi 1531-Theory of Music II Lab

Musi 1533-Theory of Music II

Musi 2541-Theory of Music III Lab

Musi 2543-Theory of Music III

Musi 2551-Theory of Music IV Lab

Musi 2553-Theory of Music IV

Musi 3563-Forms and Analysis

**History & Literature (eight hours)**

Musi 2312-Music Literature

Musi 2412-Ethnomusicology

Musi 3332-History and Literature of Music I:  
 Medieval to Baroque

Musi 3342-History and Literature of Music II:  
 Classical to 20th century

**Applied Music (26 hours)**

Mupi 1XX0-Private Lesson  
 (lower division)-four semesters

Mupi 3XX0-Private Lesson  
 (upper division)-three semesters

Mupi 3991-Jr. Recital

Mupi 4991-Recital

Mupe 1XXX- Major Ensemble-eight semesters

Mupe 2711-Musical Theater Production- three  
 semesters

All music majors must be in an ensemble appropriate for their principal instrument every semester of residence. Barrier examinations in theory and applied music must be successfully completed before advancement to the junior level. All entering music majors must take a placement examination in theory before their first enrollment. A keyboard proficiency examination must be passed before graduation.

**Music Education (8 hours)**

Mued 2521-Diction for Singers I

Mued 2531-Diction for Singers II

Mued 3112-Principles of Conducting

Mued 3212-Vocal Pedagogy

Musi 3612-Orchestration

Musi 3632-Choral Arranging

**Electives****19**

Mued 3112-Principles of Conducting

Mued 3222-Vocal Repertoire (required)

8 hours of a foreign language

Sufficient course work to bring total hours to 124.

**Faculty Contact:** Tracey Gregg-Boothby  
 Instructor of Music (Vocal)  
 Hughes-Strong Hall 208  
 Phone: (580) 349-1482  
 E-mail: tgregg@opsu.edu

**Music (BM) 124 Semester Hours**

**Instrumental Performance Option**

**General Education 41**

**Core 59**

**Theory (19 hours)**

Musi 1521-Theory of Music I Lab

Musi 1523-Theory of Music

Musi 1531-Theory of Music II Lab

Musi 1533-Theory of Music II

Musi 2541-Theory of Music III Lab

Musi 2543-Theory of Music III

Musi 2551-Theory of Music IV Lab

Musi 2553-Theory of Music IV

Musi 3563-Forms & Analysis

**History & Literature (eight hours)**

Musi 2312-Music Literature

Musi 2412-Ethnomusicology

Musi 3332-History and Literature of Music I:  
 Medieval to Baroque

Musi 3342-History and Literature of Music II:  
 Classical to 20th century

**Applied Music (26 hours)**

Mupi 1XX0-Private Lesson  
 (lower division)-four semesters

Mupi 3XX0-Private Lesson  
 (upper division)-three semesters

Mupi 3991-Jr. Recital

Mupi 4991-Recital

Mupe 1XXX- Major Ensemble-eight semesters

Mupe 1311-Jazz Band-three semesters

All music majors must be in an ensemble appropriate for their principal instrument every semester of residence. Barrier examinations in theory and applied music must be successfully completed before advancement to the junior level. All entering music majors must take a placement examination in theory before their first enrollment. A keyboard proficiency examination must be passed before graduation.

**Music Education (6 hours)**

Mued 3112-Principles of Conducting

Musi 3612-Orchestration

Musi 3622-Instrumental and Vocal Arranging

**Electives and Minor 24**

Sufficient course work to bring total hours to 124.



## Music Minors

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### Music Performance 19 Semester Hours

**Four semesters of lower division private music lessons on selected major instrument:**

Mupi 1010-Private String

Mupi 1110-Private Voice

Mupi 1210-Private Keyboard

Mupi 1410-Private Brass

Mupi 1510-Private Percussion

Mupi 1610-Private Woodwind

**Three semesters of upper division private music lessons on selected major instrument:**

Mupi 3150-Private Voice

Mupi 3250-Private Keyboard

Mupi 3450-Private Brass

Mupi 3550-Private Percussion

Mupi 3650-Private Woodwind

**Eighth semester private music lesson on selected major instrument:**

Mupi 3150-Private Voice, eighth semester

Mupi 3250-Private Keyboard, eighth semester

Mupi 3450-Private Brass, eighth semester

Mupi 3550-Private Percussion, eighth semester

Mupi 3650-Private Woodwind, eighth semester

and

Mupi 4991-Recital

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### Music Studies 21-24 Semester Hours

Musi 1533-Theory of Music I

Musi 1521-Theory of Music I Lab

Musi 1543-Theory of Music II

Musi 1531-Theory of Music II Lab

Musi 3553-Theory of Music III

Musi 2541-Theory of Music III Lab

Musi 3353-History of Music I

Musi 3363-History of Music II

Remaining hours from private lessons, ensemble, and Mupe 2711-Musical Theater



*Mariachi OPSU performs at an Aggie football game( from l to r Mallory Turlington, Jezabel De La Garza, Reina Baeza and Neftali Marquez).*

## School of Science, Mathematics, and Nursing

**Dean:**

Justin Collins  
Professor of Biology  
Hefley Hall 105  
Phone: (580) 349-1522  
Email: jkcollins@opsu.edu

The School of Science, Mathematics, and Nursing has three departments: the Department of Science, which offers programs leading to the Bachelor of Science degrees in Biology, Chemistry, Physical Science, the Department of Mathematics and Physics with a Bachelor of Science degree in Mathematics; and the Department of Nursing which offers a program leading to a Bachelor of Science in Nursing. A two-year program leading to an Associate of Science degree in General Studies with a concentration in science is offered by the school.

**Department of Science****Biology Studies****Faculty Contact**

Justin Collins  
Dean, School of Science, Mathematics, and Nursing  
Professor of Biology  
Hefley Hall 105  
Phone: (580) 349-1522  
E-mail: jkcollins@opsu.edu

The curriculum in biology acquaints students with the basic biological structures, processes, functions and interrelationships, an appreciation of the Earth's environment, and the philosophy intrinsic to the life sciences. The studies are designed to enable students:

1. To meet the requirements of undergraduate students majoring in biology so that they may pursue this field professionally after graduation or may begin a program of graduate work.
2. To provide a minor for students majoring in other disciplines.
3. To furnish a dynamic background in the life sciences for students planning to teach at the elementary or secondary level.
4. To offer prescribed pre-professional courses for students planning to enter the fields of medicine, nursing, veterinary medicine, dentistry, optometry, forestry, medical technology, and other allied science fields.

The minimum requirements for the bachelor degree in biology are outlined in this section. The requirements for a minor in biology are given also.

---

<b>Biology (BS)</b>	<b>124</b>
<b>Academic Option</b>	<b>Semester Hours</b>

---

<b>General Education</b>	<b>41</b>
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Biol 1304-Principles of Biology I  
 Chem 1135-General Chemistry I  
 Math 1613-Plane Trigonometry

<b>Core Courses</b>	<b>20</b>
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Biol 1504-Principles of Biology II  
 Biol 3024- Genetics  
 Biol 3205-Human Physiology  
 Biol 3813-Biological Statistics  
 Biol 4014-Cellular/Molecular Biology

<b>Biology Electives</b>	<b>20</b>
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<b>Physics</b>	<b>8-10</b>
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Phys 1011-Basic Laboratory I  
 Phys 1021-Basic Laboratory II  
 Phys 2014-General Physics I  
 Phys 2114-General Physics II

<b>Chemistry electives</b>	<b>10-15</b>
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To include Inorganic & Organic courses

**Electives**

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.

<b>Minor</b>	<b>18-22</b>
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Hours designated for the chosen minor are included in the 124 semester hours required for the major.

All Biology courses toward a major in Biology must have a grade of “C” or better.

---

<b>Biology Minor</b>	<b>22</b>
	<b>Semester Hours</b>

---

Biol 1304-Principles of Biology I  
 Biol 1504-Principles of Biology II  
 Biol 3205-Human Physiology

Plus other biology courses to bring the total to 22 hours with a grade of “C” or better.



**CHEMISTRY STUDIES**

**Faculty Contact** Satish Kuriyavar  
 Assistant Professor of Chemistry  
 Hefley Hall 209  
 (580) 349-1526  
 E-mail: satishk@opsu.edu

The courses offered in chemistry are designed to meet the anticipated basic needs of those students who wish to continue on to graduate studies in chemistry or closely allied fields. Courses are designed to provide the minimum chemical background for those students majoring in Agriculture, Pre-Dentistry, Pre-Medicine, Pre-Veterinary Medicine, and other fields which use chemical concepts.

A Bachelor of Science degree with a major in chemistry is offered by the department along with a minor.

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**Chemistry (BS) 124 Semester Hours**


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**Academic Option****General Education 41****Chemistry Major course work 41**

Chem 1135-General Chemistry I

Chem 2235-General Chemistry II

Chem 2021-Chemical Literature

Chem 3025-Quantitative Analysis

Chem 3315-Organic Chemistry I

Chem 3325-Organic Chemistry II

Chem 3415-Physical Chemistry I

Chem 3525-Physical Chemistry II

Chem 4024-Biochemistry I

Chem 4031-Seminar

**Co-requisite Requirements 12**

Math 1824-Calculus I

Phys 2014-General Physics I

Phys 2114-General Physics II

**Electives**

Sufficient courses to bring upper level hours to 40 credit hours and total to 124 semester hours for graduation.

**Minor 18**

A minor must be selected from any field in which a minor is offered. Hours designated for the chosen minor are included in the 124 semester hours required for the major.

This program automatically meets general education requirements for physical science and mathematics.

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**Chemistry (Minor) 19-20 Semester Hours**


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Chem 1135-General Chemistry I

Chem 2235-General Chemistry II

Chem courses (numbered above 3000) (9-10)

A grade of "C" or better is required for all Science classes for the major or minor.

**Faculty Contact**

Beverly Meyer  
 Associate Professor of Earth Science  
 Hamilton Hall Room 310  
 Phone: (580) 349-1524  
 E-mail: bmeyer@opsu.edu

The degree in physical science offers an academic option for those who desire to seek employment in various science-related fields. This exposes students to the subject areas of biology, chemistry, earth science, and physics. This program is considered a major-minor degree.

The natural science program is designed to

1. prepare students to seek careers in various science fields and/or to prepare teachers to teach in broad natural science programs such as life, physical and general science areas in junior or senior high schools;
2. to help fulfill requirements in the science area of the general education curriculum;
3. to provide students with the opportunity to complete a minor in natural science.

This section also lists the requirements for minors in natural science and earth science.

<b>Physical Science (BS)</b>	<b>124</b>
<b>Academic Option</b>	<b>Semester Hours</b>
<b>General Education</b>	<b>41</b>
Biol 1304-Principles of Biology I	
Chem 1135-General Chemistry	
<b>Earth Science</b>	<b>33</b>
Easc 1114-Physical Geology	
Easc 1214-Physical Geography	
Easc 2114-Historical Geology	
Easc 2214-Environmental Geology	
Easc 3014-Astronomy	
Easc 3114-Minerals and Rocks	
Easc 4000-Seminar (one credit hour)	
Easc 4014-Meteorology	
Easc 4114-Oceanography	
<b>Physics</b>	<b>8</b>
Phys 2014-General Physics I	
Phys 2114-General Physics II	
<b>Mathematics</b>	<b>3</b>
Math 1613-Plane Trigonometry	
<b>Chemistry Electives</b>	<b>10-15</b>
To include inorganic and organic courses	
<b>Electives</b>	
Sufficient courses to bring upper-level hours to 40 credit hours and a total of 124 semester hours for graduation.	
<b>Minor</b>	<b>18-22</b>
Hours designated for the chosen minor are included in the 124 semester hours for graduation	

All earth science, physics, and chemistry courses toward a major must have a grade of "C" or better.

<b>Physical Science (Minor)</b>	<b>20</b>
	<b>Semester Hours</b>

A total of 20 hours selected from courses in Chemistry, Earth Science and Physics plus other biology courses to bring the total hours to 22 hours with a grade of "C" or better.

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<b>Natural Science (Minor)</b>	<b>20</b>
	<b>Semester Hours</b>

---

A total of 20 hours selected from the courses in biology, chemistry, earth science, and physics. At least one course must be from biology and one from physical science. Suggested courses include: (biology 1304 and 1504, earth science, 1114 or 1214, chemistry 1135, and physics 2014).

For a minor in natural science, all courses must have a grade of "C" or better.

---

<b>Physical Science (Minor)</b>	<b>18</b>
	<b>Semester Hours</b>

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A total of 18 hours selected from chemistry, earth science and physics. For a minor in physical science, all courses must have a grade of "C" or better.

### Earth Science Studies

Earth science studies includes work in three related fields: geology, astronomy, and physical geography. The area provides:

- the opportunity for students to complete an earth science minor;
- to help fulfill the physical science requirement of the general education curriculum;
- to provide earth science courses for the natural science major.

---

<b>Earth Science (minor)</b>	<b>18</b>
	<b>Semester Hours</b>

---

Easc 1114-Physical Geology  
 Easc 1214-Physical Geography  
 Easc 2114-Historical Geology  
 Easc electives (6)

For a minor in earth science, all courses must have a grade of "C" or better.

## Department of Mathematics and Physics Mathematics Studies

**Faculty Contact** Shawna Lyle  
 Assistant Professor of Mathematics  
 Hamilton Hall 111  
 Phone: (580) 349-1534  
 E-mail: slyle@opsu.edu

The curriculum of the Department of mathematics and physics is designed to meet the needs of students who expect to teach mathematics, students who intend to specialize in some branch of engineering or science which uses mathematics as a tool, students who plan to enter commercial work, and students who wish to study mathematics because of its cultural value. The Bachelor of Science degree is offered, and a minor is available. Bachelor degree requirements are outlined in this section.

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<b>Mathematics (BS)</b>	<b>124</b>
<b>Academic Option</b>	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
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Phys 2014-General Physics I

<b>Major</b>	<b>32-33</b>
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Math 1513-College Algebra  
and

Math 1613-Plane Trigonometry  
or

Math 1715-College Algebra & Trigonometry

Math 1824-Calculus I

Math 2424-Calculus II

Math 2434-Calculus III

Math 3333-Linear Algebra

Math 3513-Found. of Mathematics

Math 4323-Modern Algebra

Math 4453-Intro. to Real Analysis

Math 4763-Probability and Statistics

<b>Electives</b>	<b>12</b>
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Math 3443-Discrete Mathematics

Math 3663-Topology

Math 3713-College Geometry

Math 4000-Problems in Mathematics

Math 4073-Numerical Analysis

Math 4123-Complex Variables

Math 4413-Ordinary Differential Equations

Math 4423-Partial Differential Equations

<b>Co-requisite requirements</b>	<b>7</b>
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Phys 2114-General Physics II

and a course in computer programming

**Electives**

Sufficient to bring upper level hours to 40 and total to 124 semester hours for graduation.

Math majors in the academic option are required to have a minor in some other academic field. Hours designated for the chosen minor are included in the 124 semester hours required for the major.

Hours designated for the chosen minor are included in the 124 semester hours required for the major.

All mathematics courses toward a major in mathematics must have a grade of C or better.

---

**Mathematics (Minor) 19-20 Semester Hours**


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**Mathematics**

Math 1513-College Algebra

AND

Math 1613-Plane Trigonometry

OR

Math 1715-College Algebra and Trigonometry

Math 1813-Analytical Geometry

Math 1824-Calculus I

Math 2424-Calculus II

**Electives**

Choose six hours of 3000-4000 mathematics courses to bring total in minor to 19-20 credit hours.

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<b>Mathematics (BS) Teaching Option</b>	<b>124 Semester Hours</b>
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<b>General Education</b>	<b>52-53</b>
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Math 1513-College Algebra

AND

Math 1613-Trigonometry

OR

Math 1715-College Algebra and Trigonometry

**Communications**

9

\*Engl 1113-Freshman English I

\*Engl 1213-Freshman English II

\*Comm 1113-Speech Communication

**Mathematics**

3

Math 1513-College Algebra

**History and Political Science**

6

\*Pols 1013-American Government

\*Choose at least one from the following:

Hist 1313-U.S. History 1492-1877

Hist 1323-U.S. History 1877-Present

**Natural Science**

8

\*Choose at least one course from each area:

Biological Science with a Lab

Physical Science with a Lab

**Social and Behavioral Sciences**

6

\*Choose at least one course from each area:

Sociology/Psychology

Economics

**Cross Cultural**

3

\*Educ 2233-Diversity in Education

**Humanities**

6

\*Choose six hours from the following areas: philosophy, humanities, music appreciation, art appreciation, literature, intro to theater, world history, music history, world religion, others as approved by VPAA. Must include courses from two areas. No activity courses will count.

**Student Success**

1

\*Educ 1111-Student Success Sem.

**Additional "Education" Requirements**

8

\*Educ 2222-Communication Skills for Educators

\*Educ 2323-Reading in the Content Area

Additional Liberal Arts/Science Elective (3)

**\*Required for Secondary Mathematics Education majors.**

(Continued on next page)

## 152

### Mathematics Education Course work

#### 30

Math 1824-Calculus I

Math 2424-Calculus II

Math 2434-Calculus III

Math 3333-Linear Algebra

Math 3443-Discrete Mathematics

Math 3513-Foundations of Math

Math 3713-College Geometry

Math 4323-Modern Algebra

Math 4763-Probability & Statistics

#### Mathematics Electives (3000-4000 level)

#### 3

Choose from:

Math 3663-Topology

Math 4000-Problems in Mathematics

Math 4073-Numerical Analysis

Math 4123-Complex Variables

Math 4413-Ordinary Differential Equations

Math 4423-Partial Differential Equations

Math 4453-Introduction to Real Analysis

#### Corequisite Requirements

6

Computer Programming

Recommended Courses:

Cis 2123-Programming I

Cis 2233-Logic and Design

#### Professional Education

33

Educ 2112-Foundations of Education

Educ 2122-School & Society

Educ 2212-Principles of Teaching

Educ 3213-Human Dev.: Child &

Adolescent Psychology

\*Educ 3223-Educ of the Except. Child

\*Educ 4313-Educational Psychology

\*Educ 4333-Educational Technology

\*Math 4222-Teaching of Mathematics

**\*Restricted Classes: Must be admitted to teacher education prior to enrolling.**

\*\*Educ 4312-Classroom Management

\*\*Educ 4362-Educational Tests & Meas.

\*\*Educ 4750-Student Teaching in

Secondary Schools (9)

**\*\*Restricted Classes: Must be admitted to professional semester prior to enrolling**

**Please refer to pages 116-124 for information about the OPSU Teacher Education Program.**

## Physics Studies

### Faculty Contact

Daniel Teske

Assistant Professor of Mathematics and Physics

Hamilton Hall 311

Phone: (580) 349-1537

E-mail: dteske@opsu.edu

The curriculum of physics is designed to satisfy requirements for certain teaching endorsements and to provide service courses for other major areas including agronomy, biology, chemistry, medical technology, and natural science and to satisfy general education physical science requirement. No major or minor is offered in physics.



## Medical Technology Studies

Faculty Contact: Justin Collins  
 Dean, School of Math/Science and Nursing  
 Professor of Biology  
 (580) 349-1522  
 Email: jkcollins@opsu.edu

The degree of Bachelor of Science in Medical Technology lies somewhere between the purely academic and the truly professional degree because it contains elements of both. The requirements are strict because a medical technologist is responsible for saving human life in many cases. The duties of a medical technologist consist of obtaining precise and accurate data from material taken from the body of a fellow human being stricken with disease. Data is furnished to the attending physician who evaluates it and renders diagnosis.

### Bachelor of Science Degree in Medical Technology

- A. A minimum of 95 semester hours of prescribed work taken at OPSU or equivalent work transferred from a fully accredited institution.
- B. A twelve-month period of clinical laboratory training in a hospital approved by the Council on Medical Education of the American Medical Association and the American Society of Clinical Pathologists affiliated with OPSU.
- C. Upon certification by the hospital to OPSU that the candidate has met the requirements in Section A and B above, the University then will grant the degree of Bachelor of Science in Medical Technology at the regular commencement exercises.

Students who enter this program should keep a scholastic average in all subjects of C or better; otherwise, they will have only a slight chance of being accepted by an accredited hospital for the fourth year of clinical laboratory training.

Further requirements for the degree are outlined in this section.

Medical Technology (BS)	124
	Semester Hours
<b>General Education</b>	<b>41</b>
<b>Biology</b>	<b>26</b>
Biol 1304-Principles of Biology I	
Biol 1504-Principles of Biology II	
Biol 3205-Human Physiology	
Biol 3504-Immunology	
Biol 3224-Animal Parasitology	
Biol 4455-Micro Technique Histology	
<b>Physics</b>	<b>8</b>
Phys 2014-General Physics	
Phys 2114-General Physics II	
<b>Chemistry</b>	<b>15</b>
Chem 2235-General Chemistry II	
Chem 3315-Organic Chemistry I	
Chem 3325-Organic Chemistry II	
<b>Science Electives</b>	<b>4</b>
Clinical hospital laboratory internship consists of 12 months during the senior year (fall, 12 hours; spring, 12 hours; summer, six hours). Each student in this program is responsible for making application to an accredited school of medical technology and to be admitted. Concurrent enrollment in the following courses is required:	
<b>Medical Technology</b>	<b>30</b>
Medt 4117-Clinical Microbiology	
Medt 4125-Clinical Chemistry I	
Medt 4236-Clinical Hematology	
Medt 4246-Clinical Immunology	
Medt 4325-Clinical Chemistry II	
Medt 4251-Topics in Medical Technology	

This program automatically satisfies the General Education requirements in science.

A grade of C or better is required for all science courses in the major.

## Nursing Programs

### RN to BSN Completion Program

Faculty Contact: Lynna Brakhage  
 Director, BSN Nursing Program  
 Instructor of Nursing  
 (580) 349-1428  
 Email: lynnab@opsu.edu

Oklahoma Panhandle State University (OPSU) is approved by the Oklahoma State Regents for Higher Education and the Oklahoma Board of Nurse Registration and Nursing Education and the National League for Nursing Accrediting Commission to offer an online RN-BSN program.

#### *Associate of Applied Science (OSU-OKC)*

Students graduating with an AAS degree may articulate directly into the Bachelor of Science Nursing program (RN-BSN) at OPSU.

*For information on the AAS program see the discussion under Associate Degree Programs.*

#### *Bachelor of Science in Nursing (OPSU)*

This program is accredited by the *National League for Nursing Accrediting Commission*. The BSN program is designed to provide professional knowledge and skills to the working Registered Nurse. The nursing curriculum provides an academic program leading to the baccalaureate degree that builds on the knowledge and skills of the Associate or Diploma prepared Registered Nurse. It is designed for Registered Nurses whose career goals will be enhanced through further undergraduate study. It is also designed to support educational mobility and to strengthen community health and leadership abilities of nurses who already have a foundation in the profession. All nursing courses are offered via the Internet with clinical experiences arranged in the student's geographical area.

#### *Computer Requirements*

For computer requirements go to [www.opsuonline.org](http://www.opsuonline.org) and click on Technical Requirements.

### *BSN Admission Requirements*

Applications to the nursing program are accepted prior to each semester and the summer session. Students may send the nursing application by mail, fax or may hand deliver:

- A completed and signed OPSU application.
- A completed and signed BSN nursing program application.  
 Official transcripts from all colleges, universities, or nursing schools attended.
- A minimum cumulative GPA of 2.0 in previous academic work.
- A minimum GPA of 2.0 in all prior nursing courses.
- Grades of C- and below in nursing course work are not transferable.
- A valid RN license from the state in which the applicant is practicing, kept current throughout the duration of the BSN Course of Study.
- An associate degree or diploma in nursing. Transfer credit must include 32 nursing credits.
- Diploma nurses from a NLN/NLNAC accredited program may transfer work as lower division nursing credit.
- Diploma school graduates from a non-NLN/NLNAC accredited hospital-based program must validate their nursing course work through testing or college level course work.
- Sophomore nursing students in a state approved nursing program may take specified nursing courses. These students must be licensed RNs prior to taking the senior level clinical practicum courses.

**Mission**

The Bachelor of Science in Nursing Program at OPSU serves the public interest by educating Registered Nurses for entry into professional nursing practice in the Oklahoma Panhandle and surrounding areas. The program is designed to provide professional knowledge and skills to the working Registered Nurse, to support educational mobility and to strengthen community health and leadership abilities of nurses who already have a foundation in the profession, particularly in rural communities. These educational experiences are designed to prepare professional nurses for practice today and well into the 21st Century.

**Philosophy**

The nursing faculty believe that the development of caring cognizance and displays of caring are integral to the experience of nursing. The faculty consider this all-encompassing concern for the individuality of others to be a fundamental quality of caring. This includes students and faculty, as well as clients. Qualities of students as learner-ways-of-being and faculty as a teacher-ways-of-being are viewed as central to the shared process of caring and integral to the learning process. These qualities involve the notions of support, empowerment, growth, and hope. Teaching-learning encounters are viewed as ongoing and interactive caring transactions. The faculty believe that these mutually coexistent areas of caring enable learning and growth among students and faculty and encourage expressions of trust, sharing, respect, and learning from each other.

The faculty support framework for multiple ways of knowing nursing and caring. These include empirics (the science of nursing), esthetics (the art of nursing), ethics (moral knowledge), personal knowledge (knowledge gained by life experience), and critical decision making (critical thinking).

The theoretical framework of the Bachelor of Science in Nursing Program uses elements of Jean Watson's Theory of Human Caring. This theory emphasizes transpersonal caring-healing, focusing on the correlation between health, illness and human behavior. Nurses provide intentional caring which will bring both healing and wholeness to the person being cared for as well as the person providing the care.

Caring theory requires nurses to base the outcome of nursing activity on goals that focus on the promotion of health, restoration of health and prevention of illness

through providing care that focuses on protection, dignity, humanity, wholeness and inner harmony. Client needs are met through transpersonal caring practices. Nurses attempt to discover deeper sources of inner healing that are characterized in predominantly spiritual terms rather than primarily in prevention and/or elimination of disease. This theory does not ignore conventional medical or nursing practices but is complementary to those practices in the care of the client. These caring practices allow the nurses to identify and relate to clients by seeing themselves in another's dilemma. Using this theory, nurses view both clients and themselves as part of the comprehensive, caring process.

Major conceptual elements of the theory that guide student/faculty activities include the original carative factors, clinical carita processes, transpersonal caring relationships, and caring moments/caring occasions. These human caring concepts are central to the OPSU Nursing Program and are used as a guide for student/client and student/faculty activities and interactions.

To view the BSN Nursing Program philosophy in its entirety, go to [www.opsu.edu](http://www.opsu.edu) and click on the "online courses" link.

**Program Educational Goals**

The goals of the Oklahoma Panhandle State University bachelor degree program in nursing are to:

- Provide access to nursing education for rural populations and to those with previous nursing education.
- Prepare graduates with additional nursing competencies to provide beginning entry professional care to rural populations in a variety of health care settings.
- Provide an environment which fosters an awareness of diverse perspectives of culture, caring, health, healing, and illness.
- Provide an environment which fosters student-teacher interactions and learning experiences
- Provide learning experiences to ensure compassion, caring, ethics, clinical competence with accountability, responsibility, and autonomy.

**Retention Requirements**

- All students must earn a grade of C or higher in each course (including clinical courses) used to complete the nursing degree to continue in the program.
- There is no minor in nursing.
- Students who wish to attend part-time should complete the program within five years from admission.
- It is suggested that the student complete junior-level nursing courses before beginning the senior-level nursing courses.
- Maintenance of RN licensure for the duration of nursing program enrollment.

**BSN Degree Requirements**

- The minimum credit total of 129 semester hours is required for the bachelor's degree. At least 30 semester hours of the work must be completed at OPSU with at least 15 of the last 30 hours completed in residence. Internet courses qualify as in residence courses.
- A minimum of 40 upper-division credits to be comprised of 40 nursing credits is required.
- A minimum of 60 hours must be completed at a baccalaureate degree-granting institution.
- A minor is not required for the BSN degree.

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<b>Bachelor of Science in Nursing</b>	<b>129</b>
	<b>Semester Hours</b>

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<b>General Education</b>	<b>41</b>
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<b>Major</b>	<b>40</b>
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All Nursing courses are taught on the Internet

\*Nurs 3212-The Science of Nursing

\*Nurs 3213-Pharmacotherapeutics

Nurs 3214-Health Assessment/Health Promotion

Nurs 3313-Pathophysiology

\*Nurs 3333-Nursing in Rural America

Nurs 3343-Nursing Research

Nurs 4223-Adv. Concepts of Nrsg./Community

Nurs 4233-Adv Nrsg. Interventions in the Community

Nurs 4244-Clinical Practicum-Community

Nurs 4313-Adv. Concepts of Nrsg./Leadership

Nurs 4323-Adv. Nrsg. Interv. with Clients &

Groups in Leadership/Management

Nurs 4334-Clinical Practicum/Leadership

Nurs 4342-Professional Practice Seminar

<b>Non-nursing Required Courses</b>	<b>6</b>
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Biol 3813- Biological Statistics or comparable

Cis 1113 - Intro. to CIS or other computer course

**Associate or Diploma Transfer Nursing**

<b>Credits</b>	<b>32</b>
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<b>Electives</b>	<b>10</b>
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Sufficient courses to bring upper division to 40 credit hours and total to 129 credit hours for graduation.

\* Sophomore nursing students in a state-approved program may take these courses.

A minimum of C or better is required in all major area courses and non-nursing required courses

**Accredited By:** The National League for  
Nursing Accrediting Commission (NLNAC)  
61 Broadway - 33<sup>rd</sup> Floor  
New York City, NY 10006  
800-669-1656, Extension 153  
www.nlnac.org

# DESCRIPTION OF COURSES

## Explanation of Course Numbers and Descriptions

All courses are identified by numbers composed of four digits. The first digit indicates the class year in which the subject is normally taken, although enrollment is not exclusive as to student classification; the second and third digits identify the course within the field, and the last digit identifies the number of semester credit hours that the course carries. A course number beginning with 0 indicates that the course does not carry university credit. A course number ending in 0 indicates that the course carries variable credit. All courses require a specific number of lecture and/or laboratory hours per week which are printed in bold-face to the far right of the number of credit hours available. The first number indicates the number of lecture hours required per week. The number following the colon indicates the amount of hours to be spent in laboratory per week per class. Prerequisites are listed at the beginning of each course description. All courses will not be offered every semester; departments will use some form of course rotation which takes into consideration necessary prerequisites. On rare occasions, a student may be required to take a course by arrangement or use an approved substitution for a program course requirement. **Please note that the symbol “+” signifies a course that counts towards Liberal Arts and Sciences credits.**

## ACCOUNTING (ACCT)

- |   |   |
|---|---|
| <p><b>2103 Financial Accounting (Fall/Spring/Summer)</b><br/><b>3 credit hours</b> <b>3:0</b><br/><i>Prerequisite: Math 1513 or satisfactory score on placement test. Financial accounting concepts related to the processes and principles of accrual accounting and the preparation of financial statements and reports for parties external to the firm.</i></p> | <p><b>3403 Advanced Intermediate Accounting (Spring)</b><br/><b>3 credit hours</b> <b>3:0</b><br/><i>Prerequisite: Acct 3303. Accounting theory, concepts, and practice related to investments, leases, taxes, employee compensation, earnings per share, and analytical processes.</i></p>   |
| <p><b>2203 Managerial Accounting (Fall/Spring/Summer)</b><br/><b>3 credit hours</b> <b>3:0</b><br/><i>Prerequisite: Acct 2103 or consent of instructor. Managerial accounting concepts and objectives, planning and control of sales and costs, analysis of costs and profits.</i></p>  | <p><b>3503 Advanced Managerial Accounting (Even Fall)</b><br/><b>3 credit hours</b> <b>3:0</b><br/><i>Prerequisite: Acct 2203. A study of managerial cost control, capital budgeting, organizational performance, cost analysis techniques, cost management practices.</i></p>  |
| <p><b>3203 Elementary Cost Accounting (Fall)</b><br/><b>3 credit hours</b> <b>3:0</b><br/><i>Prerequisite: Acct 2203. A study of the procedures, concepts, and purposes underlying the systems and methods of product costing. Cost control, cost analysis, and report preparation are emphasized.</i></p>  | <p><b>4000 Problems in Accounting (Fall/Spring)</b><br/><b>1-3 credit hours</b> <b>1-3:0</b><br/><i>Prerequisite: 21 credit hours of accounting and consent of instructor. The course is designed to give the accounting major an opportunity for advanced study and practice in selected areas of accounting. May be repeated for a total of 6 hours credit.</i></p> |
| <p><b>3303 Intermediate Accounting (Fall)</b><br/><b>3 credit hours</b> <b>3:0</b><br/><i>Prerequisite: Acct 2203. Accounting theory, concepts and practice related to major financial statements, accounting process, revenue cycle, inventory, and financing.</i></p>   | <p><b>4013 Income Tax Procedure I (Fall)</b><br/><b>3 credit hours</b> <b>3:0</b><br/><i>Prerequisite: six hours of accounting. Study of individual taxation, present income tax laws, tax problems, and business income and expenses.</i></p>  |

- 4023 Income Tax Procedure II (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Acct 4013.* Study of property transactions, partnership, corporation, estate and trust taxation, present income tax laws, and tax problems.
- 4033 Tax Research (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Acct 4013.* Study of tax research methodology, internal revenue code, regulations and rulings, judicial interpretations, citator, and tax services using case studies.
- 4203 Advanced Cost Accounting (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Acct 3203.* Study of budgetary control, estimate cost procedures, direct costing, capital expenditure programs, and other special cost and analysis problems.
- 4303 Public Sector Accounting (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: Acct 3403.* Study of governmental and not-for-profit accounting. Analysis of funds and accounting principles that reflect activity for governmental units, universities, hospitals, and other public sector entities.
- 4403 Advanced Accounting (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Acct 3403.*  
 Study of business combinations, consolidated financial statements, partnerships, bankruptcy, receivership, estates and trusts, and foreign currency transactions.
- 4503 Auditing (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: nine hours of accounting.* Generally accepted auditing standards and procedures, audit evidence, audit reports and opinions, statistical sampling, internal control, legal liability, and ethics.
- 4603 Financial Statement Analysis**  
**3 credit hours 3:0**  
 Advanced course on methods of analyzing financial position, trends, and prospects of a company using the available financial statements.
- 4613 Problems in Auditing (Summer)**  
**3 credit hours 3:0**  
*Prerequisite: Acct 4503.* The course is designed to give the accounting major an opportunity for advanced study and practice in selected areas of auditing.
- 4623 Legal Issues in Accounting (Summer)**  
**3 credit hours 3:0**  
*Prerequisite: Badm 3123 and Badm 3323.* Study of contracts, sales, commercial paper, secured transactions, bankruptcy, debtor-creditor relationships, agency, partnerships and joint ventures, corporations, Federal Securities Acts, professional responsibilities, regulation of employment, property, insurance, trusts, and estates.
- 4633 Advanced Financial Accounting and Reporting Theory (Summer)**  
**3 credit hours 3:0**  
*Prerequisite: Acct 3303 and Acct 3403.* The course is designed to give the accounting major an opportunity for advanced study and practice in selected areas of financial accounting and reporting.
- 4643 Advanced Studies in Accounting (Managerial/Governmental/Taxation) (Summer)**  
**3 credit hours 3:0**  
*Prerequisite: Acct 3203, Acct 4013, and Acct 4303.*  
 The course is designed to give the accounting major an opportunity for advanced study and practice in selected areas of cost/managerial accounting, governmental and not-for-profit accounting, and taxation.
- 4703 Accounting Internship (Fall/Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Junior standing or above and consent of instructor.* Supervised professional-level accounting assignment with a public, private, or governmental organization.

## ACCOUNTING INFORMATION SYSTEMS (AIS)

- 3013 Introduction to AIS (Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Acct 2203 and CIS 2223.* This course provides an overview of accounting information systems and illustrates the importance of transaction processing and entry. Students are exposed to a variety of information systems, including manual and automated systems. Specific use of systems understanding aids and accounting software packages.
- 3103 Computer Applications for Accounting Majors (Fall - Odd Years)**  
**3 credit hours** **3:0**  
*Prerequisite Acct 2203 and CIS 2223.* The use of the computer to aid an accounting student in upper level accounting and AIS classes. Emphasis is on the use of the Internet, spreadsheets, databases, and specific accounting software packages.
- 3803 Accounting Information Technology (Even Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: Acct 2203 and CIS 2223.* Technology concepts needed by accounting students for successful job performance. Will include hands-on hardware and software maintenance, repair, installation, and configuration of peer-to-peer and client server networks.
- 4013 Use and Analysis of DBMS (Fall)**  
**3 credit hours** **3:0**  
 Coverage of data analysis and database design. Mastery of an electronic database system including creation, load, modify, and query a database. Includes normal forms and comparative review of flat file, relational, and object-oriented databases.
- 4113 Accounting E-Commerce (Odd Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: Acct 2203 and CIS 2223.* A study of the procedures, concepts and purposes underlying the development of accounting web-based systems. Examines web page development, accounting systems, and security and control issues of web-based businesses.

- 4223 Structured Systems Analysis (Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: AIS 3803 or consent of instructor.*  
 Overview of system development life cycle and system documentation. Includes data flow, data structure, file designs, input and output design, program specifications, information gathering, and reporting activities, as well as CASE tools and techniques of systems analysis.

## AGRICULTURE (AG)

- 1011 Introduction to the Agriculture Industry (Fall/Spring)**  
**1 credit hour** **1:0**  
 General survey of the agricultural industry and its resources, including career opportunities in the various fields of agriculture. Program and course selection as they relate to occupational fields will be discussed.
- 1124 Farm and Ranch Management (Fall)**  
**4 credit hours** **3:2**  
 Designed to provide the student with the basic management skills, economic background, and practical experience needed to manage a farm and ranch operation.
- 2183 Swine Management I (Fall)**  
**3 credit hours** **3:0**  
 General overview of the swine industry and its contribution to the American economy. It will emphasize the aspects of management that are important to the swine industry with specific emphasis on swine genetics and breeding; health and reproduction; nutrition and feeding; growth and development; and marketing systems.
- 2832 Swine Management II (Spring)**  
**3 credit hours** **3:0**  
 Continuation of Swine Management I, which will cover life cycle swine production and management. Life cycle swine management includes all breeding, gestation, farrowing, aspects of nursery management, and growing-finishing swine.

160

**+2343 Agriculture Economics**  
**(Fall/Spring)**  
**3 credit hours** **3:0**  
Principles of farm production, farm management, agricultural resources, and agriculture policy.

**2594 Swine Management Internship**  
**(Offered as needed)**  
**4 credit hours** **0:23**  
Developing a working knowledge in the operation of commercial swine management programs. The student shall be employed at a local swine management facility or work at the university swine management facility for a total accumulative of not less than 360 hours work experience. The student will meet with swine management supervisors each week during working hours in the swine management program.

**2982 Agri-Business Management**  
**(Spring)**  
**2 credit hours** **2:0**  
Designed to serve as a course for economic Rural and Community Development. The implementation and administration of a borrower training course. It will help borrowers to develop skills necessary for successful, efficient production and financial management of a farm business. It will cover business planning, financial management systems, crop production, and livestock production.

**+3113 Intermediate Microeconomics**  
**(Every Other Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: Econ 2123.* How economists use economic theory to model and analyze microeconomics. For this focus, most of the course will concentrate on firm-level and individual industries. The evaluation of firm-level decision making as it pertains to how firms operate.

**+3313 Intermediate Macroeconomics**  
**(Every Other Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Econ 2113.* How economists use economic theory to model the macroeconomy. For this focus, most of the course will concentrate on learning and understanding economic theory. The evaluation of theory as a viable explanation of how the economy works will be explained for the students to understand that explanatory power is the true measure of the effectiveness of a theory. To evaluate this, an understanding of how the economy works will be necessary.

**3144 Modern Agriculture Management**  
**(Spring)**  
**4 credit hours** **3:2**  
Complete overview of all aspects of farm and ranch management. It emphasizes the use of economic tools in decision making. It covers step-by-step procedures that simplify farm planning activities and insure compatibility among alternate farm plans for the purpose of maximizing returns.

**+3213 Quantitative Agricultural Economics**  
**(Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: Ag 2343 and Math 1513.* Emphasizes indices, graphics, budgeting, discounting, basic statistical measures, use of microcomputers, and price analysis. Basic background involving business analysis.

**3573 Money & Banking**  
**(Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Ag 2343, Econ 2113, Econ 2123 or consent of Instructor.* Modern currency, banking, credit and their places in present financial organization.

**4000 Studies in Agriculture**  
**(Offered as needed)**  
**1-3 credit hours** **1-3:0**  
Designed for specific topics in Agriculture.

**4983 Agricultural Marketing**  
**(Fall/Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Econ 2123 or Econ 2343.* Designed to increase the agricultural related businessman's knowledge primarily in the areas of commodities, grain, and livestock marketing with particular emphasis on hedging practices and principles.

## **AGRICULTURAL EDUCATION** **(AGED)**

**3101 Observation and Participation in Secondary Ag Ed Programs**  
**1 credit hour** **1:0**  
45 clock hours will be spent in observing and participating in high school Ag-Ed programs. Diversity in public school setting and participation in classroom teaching, laboratory activities, supervised agricultural experiences and FFA activities are required.



- 3102 Foundations of Agricultural Education (Fall)**  
**2 credit hours 2:0**  
 Study of foundations, history and philosophy of technical education. Study of the diversity of public school students and diversity of agricultural education programs in the public schools. Technical education as it applies to high school students and their future plans will also be considered. Major emphasis on admission to teacher education and competencies required for teacher education.
- 3203 Planning the Community Program in Agricultural Education (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Aged 3102.* Determining the agricultural resources and trends of a community, planning a long-time agricultural program including objectives and success factors, and planning the annual program.
- 4000 Problems in Agricultural Education (Spring or as needed)**  
**1-3 credit hours 1-3:0**  
*Prerequisite: Consent of instructor and junior or senior standing.* Problems and/or independent study course in agricultural education.
- 4103 Methods of Teaching and Management in Vocational Agriculture (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Aged 3103 and Aged 3203, junior standing in School of Agriculture, and admission to the Teacher Education Program.* This course acquaints students with the work of the teacher of vocational agriculture and prepares them for student teaching to be completed during the academic year.
- \*AGRICULTURE MECHANIZED (AGME)**
- 1103 Applied Electricity I (Fall)**  
**3 credit hours 1:4**  
 Elementary electricity, wiring, switching, lighting, and electrical power for appliances adapted to the farm.
- 1222 General Metals Processing (Fall)**  
**2 credit hours 1:2**  
 Fundamental processes on standard machines, such as turning, boring, shaping, milling, and cutting threads.
- 1432 Oxy-Acetylene Welding (Fall)**  
**2 credit hours 1:2**  
 Principles and practices of welding with practical application.
- 3322 Arc Welding (Spring)**  
**2 credit hours 1:2**  
*Prerequisite: Agme 1432 or consent of instructor.* Principles of welding with practical application.
- 3413 Foundry and Forge Manufacturing Processes (Every other Fall)**  
**3 credit hours 1:4**  
*Prerequisite: Four credit hours of metals.* Foundry fundamentals including basic principles and techniques in producing manufactured products by foundry and forging methods. Making simple patterns, molds, and cores; working with sand and environments; casting with low temperature metals. The study of elementary forge practices and heat treatment of metals.
- 3643 Power Mechanics I (Fall/Spring)**  
**3 credit hours 1:4**  
 Basic course in mechanics and physics of the automobile. A study of the principles and fundamentals of the gasoline engine, electrical system, ignition, hydraulics, fuels, and lubrications as applied to the automobile. Introduction to the practical use of tools and equipment made in the laboratory.
- 3653 Power Mechanics II (Every other Spring)**  
**3 credit hours 1:4**  
*Prerequisite: Agme 3643.* Basic principles of automotive mechanics. Advanced study in rebuilding procedures for automotive engines, drive trains, and transmissions will be taught.
- 4000 Problems in Mechanized Agriculture (Fall)**  
**1-2 credit hours 1-2:0**  
 This class will be taught by arrangement for students who need credit in mechanized agriculture and are unable to schedule a regularly scheduled class. Problems will be designed around students' needs and availability of problem area materials.
- 4122 Building and Construction Techniques (Every other Spring)**  
**2 credit hours 1:3**  
 Elements of farm building construction; methods and practice in cutting rafters as used in building construction.

162

**4623 Welding Processes and Metallurgy  
(Fall)**

**3 credit hours 1:4**

*Prerequisite:* Agme 1432 and Agme 3322. Practice in both arc and acetylene welding to help develop the skills after fundamentals have been learned, with emphasis on Mig and Tig welding. Including welding aluminum and stainless steel.

**AGRONOMY (AGRN)**

**1213 Fundamentals of Plant Science  
(Fall)**

**3 credit hours 3:0**

Factors determining economic plant distribution, culture, improvement, and utilization with emphasis on the principles of crop production.

**2111 Plant and Seed Identification**

**1 credit hours 0:1**

Laboratory only. Identification of seed and plants of agronomically important crops, forage plants, and weed species.

**2124 Fundamentals of Soil Science  
(Fall/Spring)**

**4 credit hours 3:2**

General course dealing with the origin, formation, composition, and classification of soils and the principal chemical, physical, and biological properties of soils in relation to plant growth, soil productivity, and land use.

**3133 Crop Biotechnology  
3 credit hours**

Study of biotech genetic alterations to agronomic crops that have led to enhanced production, improved food quality, reduced pesticide use, and controversy over health and environmental affects.

**3213 Pasture and Range Crops  
(Spring)**

**4 credit hours 3:0**

*Prerequisite:* Agrn 1214. Species and characteristics, culture, preservation, seed harvest, and nutritional value of forages.

**3223 Grain, Oilseed, and Pulse Crops  
3 credit hours**

**3 credit hours 3:0**

Production, utilization and improvement of grain, oilseed, and pulse crops with special emphasis on wheat, corn, sorghum, sunflower, cotton and soybeans.

**3333 Natural Resource Conservation  
(Fall)**

**3 credit hours 3:0**

Study of the proper and effective use of tillage;

crop rotation and sequence; cultivation, fallow, water use, and fertilizer use to promote soil conservation.

**3343 Integrated Pest Management  
(Fall)**

**3 credit hours 3:0**

Study of crop protection; control of pest populations; the impact of control measures on humans and the environment; the appropriate use of pesticides; and the establishment of economic-centered control policies.

**3433 Soil Ecology  
(Offered as needed)**

**3 credit hours 2:2**

A study of soil ecosystems with the view of the soil as a "living" medium for plant growth. An examination of how the cultural practices of agroecosystems affect soil cycles.

**3464 Plant and Crop Physiology  
(Offered as needed or odd years)**

**4 credit hours 3:2**

*Prerequisite:* Biol 1504 and a course in organic chemistry. A survey of the physiological processes, activities, and functions of plants.

**3924 Range Management  
(Spring)**

**4 credit hours 3:2**

*Prerequisite:* Agrn 1214. Utilization and establishment of tame and native range. Application of plant and animal ecological principles to management systems. Field trips required.

**4113 Weed Science  
(Spring)**

**3 credit hours 2:1**

*Prerequisite:* Agrn 1214 and Chem 1135. Growth, dissemination, economic importance, and distribution of weeds. Physiological, ecological, cultural, and chemical methods of weed control. Chemistry and application of herbicides.

**4213 Irrigation  
(Spring)**

**3 credit hours 2:2**

*Prerequisite:* Agrn 1214 and Agrn 2124. Irrigation methods, water supply and quality, irrigation water measurement, soil moisture measurement, irrigation practices for crop plants with emphasis on soil-moisture-plant relationships. One field trip required.

- 4234 Soil Fertility (Fall)**  
**4 credit hours 4:0**  
*Prerequisite: Agrn 2124.* Fundamental soil and plant relations that determine fertilizer requirements. Characteristics, handling, and use of fertilizer materials.
- 4571 Agronomy Seminar (Fall/Spring)**  
**1 credit hour 1:0**  
 Review and discussion of current research papers, research work, and problems in crops and soils. Course may be repeated for an additional hour of credit.
- ANIMAL SCIENCE (ANSI)**
- 1124 Introductory Animal Science (Fall)**  
**4 credit hours 3:2**  
 General and basic livestock study with emphasis on meat animals, dairy cattle, and horses.
- 2112 Introductory Live Animal Evaluation (Fall)**  
**2 credit hours 0:4**  
 Introductory course in live animal evaluation designed to evaluate the market and breeding characteristics of beef, swine, and sheep. Use of performance data will be emphasized. The comparison of certain live animal characteristics with carcass merit will be made.
- 2123 Livestock Feeding (Fall/Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Ansi 1124.* Study of the nutritive characteristics of feed stuffs and the use of these feeds in the formulation of rations to meet the nutrient requirements of farm livestock.
- 2182 Meat Evaluation, Classification, and Grading (Fall)**  
**2 credit hours 0:4**  
*Prerequisite: Ansi 1124.* Evaluation of meat and meat products. The classification of market classes and meat grading.
- 2213 Retail Meat Cutting (Spring)**  
**3 credit hours 1:4**  
 Study of processing beef, pork, and lamb carcasses into wholesale and retail cuts. The principles of cost analysis, markup, and cost of operating a business will be emphasized.
- 2332 Livestock Fitting and Exhibition**  
**2 credit hours 2:0**  
 In depth training on selection, preparation, and exhibition of livestock for all of levels of competition. Special emphasis placed on proper use of equipment, handling, and feeding of livestock intended for competition.
- 2442 Artificial Insemination of Farm Animals (Spring)**  
**2 credit hours 0:2**  
 General and basic livestock study with emphasis on meat animals, dairy cattle, and horses.
- 3113 Livestock Judging and Meat Animal Evaluation (Fall)**  
**3 credit hours 1:4**  
*Prerequisite: Ansi 1124.* Comparison of certain live animal characteristics with carcass merit and with practice in comparative livestock judging and oral reasons.
- 3133 Livestock Entomology (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: Ansi 1124 and junior standing.* Economic effects of insects and related arthropods to the livestock industry. All aspects of the biology of insects including life cycle and the effects on the host animals will be discussed. Modern chemical and culture control methods will be discussed with emphasis on economic and environmental costs.
- 3234 Meat Industry Internship (Fall)**  
**4 credit hours 0:20**  
*Prerequisite: Junior standing and consent of instructor.* Full-time or part-time internship for a minimum of one summer at an approved meat processing unit for on-the-job training, for a total accumulation of not less than 320 hours work experience.
- 3242 Livestock Judging and Meat Animal Evaluation (Spring)**  
**2 credit hours 0:4**  
*Prerequisite: Ansi 3113.* Continuation of Ansi 3113. Practice in comparative judging of horses, beef cattle, sheep, and swine in preparation for competitive livestock judging events. Emphasis will be placed on oral reasons.

164

**3333 Meats**  
**(Fall/Spring)**  
**3 credit hours** **1:4**

*Prerequisite: Ansi 1124.* Slaughtering, cutting, and processing of cattle, swine, and sheep. Techniques associated with curing and smoking meat products and sausage making.

**3543 Animal Nutrition**  
**(Fall)**  
**3 credit hours** **3:0**

*Prerequisite: Junior standing.* Study of the chemical characteristics and physiological functions of nutrient classes; carbohydrates, proteins, fats, minerals, and vitamins. Also, a study of methods of determining the nutrient content of feeds and nutrient requirements of farm animals.

**3624 Horse Science**  
**(Fall)**  
**4 credit hours** **3:2**

*Prerequisite: Ansi 1124.* Feeding, breeding, management, and training of horses for work and pleasure.

**3643 Applied Animal Nutrition**  
**(Spring)**  
**3 credit hours** **3:0**

The application and the interpretation of the basic principles of animal nutrition. The formulation of rations and the development of feeding recommendations for livestock and poultry.

**4113 Animal Anatomy and Physiology**  
**(Spring)**  
**3 credit hours** **3:0**

*Prerequisite: Ansi 1124.* Designed for animal science students as a study of the structure and function in the systems of the domestic animal body.

**4202 Livestock Selection**  
**(Fall)**  
**2 credit hours** **0:4**

*Prerequisite: Ansi 3242 or consent of instructor.* Advanced livestock judging and evaluation of market classes and breeds of beef cattle, sheep, swine, and horses; training in giving oral reasons.

**4333 Livestock Breeding and Improvement**  
**(Spring)**  
**3 credit hours** **3:0**

*Prerequisite: Ansi 1124 and junior standing.* Application of genetic principles as they apply to animal breeding: heritability, selection, and mating systems.

**4433 Animal Reproduction**  
**(Fall)**  
**3 credit hours** **3:0**

*Prerequisite: Ansi 1124 and junior standing.* Study of reproduction in farm animals with emphasis on physiological function, endocrinology, and factors affecting reproduction efficiency.

**4463 Meat Science**  
**(Fall)**  
**3 credit hours** **3:0**

*Prerequisite: Ansi 1124 and Chem 1135.* Physical and chemical aspects associated with structure and composition of meat. Conversion of muscle to meat and principles relative to fresh and processed meats, storage, microbiology, palatability, and nutritive values will be discussed in depth. Hormonal influence on growth, development, and final product will be covered also.

**4543 Sheep Science**  
**(Spring)**  
**3 credit hours** **2:2**

*Prerequisite: Ansi 1124 and junior standing.* Designed to thoroughly evaluate management practices influencing profitability in modern sheep operations. Production practices in all phases of the industry are covered in detail. Production and management options examine input options in genetics, nutrition, physiology, and endocrinology. Production and management strategies are covered starting at conception and followed to the final product.

**4613 Beef Production and Management**  
**(Spring)**  
**3 credit hours** **2:2**

*Prerequisite: Ansi 1124 and Ansi 3543.* Designed to thoroughly evaluate management options in the production of beef. Production and management options discussed examine input options in genetics, nutrition, physiology, and endocrinology. These inputs are discussed individually and with respect to one another. Production and management strategies are covered starting at conception and followed to the final product.

**4643 Swine Production and Management**  
**(Spring)**  
**3 credit hours** **2:2**

*Prerequisite: Ansi 1124 and Ansi 3543.* Thorough exposure to management practices influencing profitability in modern swine operations. Production practices in all phases of the industry are covered in detail. Laboratory sessions are designed to give hands-on experience in production practices ranging from farrowing through the finishing phase.

- 4713 Principles of Feedlot Management (Spring)**  
**3 credit hours** **2:2**  
*Prerequisite: Junior standing.* Basic principles which apply to the management of a feedlot. Extensive study in the areas of cattle feeding, animal health, buying and selling, supervision of personnel, and training involving organizational procedures within a feedlot.
- 4744 Technical Feedlot Operations (Spring)**  
**4 credit hours** **0:23**  
*Prerequisite: Senior standing and departmental approval.* A course oriented toward developing a working knowledge in the operation of commercial feedlots in the Southern Great Plains region. The student shall be employed at one of the area feedlots on a part-time basis for a minimum of a summer term for a total accumulation of not less than 360 hours work experience time. The student will meet in conference with departmental advisers and/or feedlot managers or supervisors each week during the semester or period in which s/he is enrolled in the course.
- 4753 Advanced Meat Animal Evaluation (Offered as needed)**  
**3 credit hours** **2:4**  
*Prerequisite: Junior standing.* Comprehensive study of methods in evaluating slaughter and breeding animals. Emphasis on current developments in grading and evaluating meat products.
- 4763 Advanced Ruminant Nutrition (Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Ansi 3543, Biol 2124, and Junior standing.* An in-depth study of the digestive physiology of ruminant animals. Emphasis placed on gastrointestinal tract anatomy, digestive processes, rumen fermentation, and digestive kinetics and their relationship to practical ruminant nutrition practices.
- 4773 Advanced Non-Ruminant Nutrition (Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: Ansi 3543, Biol 2124, and junior standing.* An in-depth study of the digestive physiology of non-ruminant animals. Emphasis placed on gastrointestinal tract anatomy, digestive processes, lower tract fermentation variations, and digestive kinetics and their relationship to practical non-ruminant nutrition practices.
- 4862 Animal Science Seminar (Spring)**  
**2 credit hours** **1:1**  
*Prerequisite: Senior standing.* Discussion and special assignments designed to give insight into the field of animal science research.
- 4902 Animal Science Problems (Offered as needed)**  
**2 credit hours** **2:0**  
*Prerequisite: Senior standing.* Designed for students who desire additional information on specific subjects. A review of literature and preparation of a report which may include laboratory and/or experimental data.
- ART (ART)**
- 1123 Photography**  
**3 credit hours** **2:2**  
 Basic principles of photography: camera operation, black and white images, developing film, printing negatives, and compiling a portfolio. Student must provide a 35mm camera, film, and printing paper.
- 1433 Fundamentals of Art**  
**3 credit hours** **0:4**  
 Developing skills and discipline while imparting a sense of adventure for exploring new materials, techniques, and thoughts. The creative work will involve principles of design; aims of organization; and plastic elements of color, line, texture, space, and form using a variety of media.
- +1533 Art Appreciation**  
**3 credit hours** **3:0**  
 Comprehensive view of the visual arts—painting, sculpture, and architecture—concentrating on the late 19th century to the present. This course introduces students to motivations, intentions, and processes of artists with an approach to the visual arts that prepare them to continue their own visual educations.
- 2113 Drawing I**  
**3 credit hours** **0:4**  
 An introduction to representational drawing using a variety of media, techniques, and subjects. Analysis of form and spatial structure through the use of proportion, perspective, line, value, and shape.

166

**2123 Drawing II**  
**3 credit hours 0:6**

*Prerequisite:* Art 2113. Individual problems in freehand drawing using a variety of subjects and media. Designed for students who have completed Art 2113 and/or have enough experience in drawing to plan and execute their drawings primarily by themselves, but under the direction of the instructor. Color media is used.

**2243 Design I**  
**3 credit hours 3:0**

A dynamic approach to two-dimensional design. Students learn the principles of color manipulation to stimulate further inquiry into design.

**2323 Art Workshop**  
**3 credit hours 3:0**

Workshop presentations focusing on various media and techniques including painting, drawing, printmaking, sculpture, ceramics, graphic design, weaving, and textile design.

**2333 Art Marketing I**  
**3 credit hours 3:0**

The business of art dealing in the following areas: portfolio and slide creation, selling, attaining art publishers, creating public relations materials, compiling mailing lists, profit and loss, etc.

**2533 Ceramics I**  
**3 credit hours 0:6**

Basic course in the fundamentals of pottery, including various methods of building the ware, decorating and/or glazing, and stacking the kiln.

**2543 Ceramics II**  
**3 credit hours 0:6**

*Prerequisite:* Art 2533. Designing and executing advanced projects in clay. Time equally divided between hand building and the potter's wheel. Loading and firing the kiln.

**2853 Painting I**  
**3 credit hours 0:6**

A beginning course exploring the potential of oil or acrylic with emphasis on color and composition.

**2933 Painting II**  
**3 credit hours 0:6**

*Prerequisite:* Art 2853. Continuation of Art 2853 with emphasis on aesthetic and individual exploration.

**3153 Figure Drawing I**  
**3 credit hours 3:0**

Constructed to provide rigorous training in gesture, anatomy, and figure drafting. Drawing the human figure acts as an introduction to understanding visual relationships. Upon completion of the semester, the student will be able to analyze the human form and see it as part of the greater whole.

**3163 Figure Drawing II**  
**3 credit hours 3:0**

*Prerequisite:* Art 3153. Formal aspects are expanded to include space, time, and movement. The student employs a variety of basic materials and techniques, both traditional and experimental.

**+3303 Art History I**  
**3 credit hours 3:0**

Examines art from prehistoric times to the late Renaissance at the end of the sixteenth century. Significant artists and movements carefully selected from the fields of architecture, painting, sculpture, and other visual arts are studied against the political, social, and scientific backgrounds and artistic traditions of the times.

**3313 3-D Modeling I**  
**3 credit hours 3:0**  
**(Fall)**

*Prerequisites:* Art 1433, Art 2443, CIS 2123, or consent of instructor. Introduction to 3-D character modeling for use in computer animation. Course may be repeated with different software emphasis.

**3333 Sculpture I**  
**3 credit hours 0:6**

Basic principles of the three-dimensional form. Sculptures will be built using the techniques and materials of ceramics. The techniques taught will be modeling slab and coil construction. Fundamentals of armature building and instruction for casting completed projects.

**3343 Sculpture II**  
**3 credit hours 0:6**

*Prerequisite:* Art 3333. Designing and executing advanced sculptural projects. Individual projects in direct plaster, bas-relief, and wax. Work with rubber models and modeling in wax.

**3423 Painting III**  
**3 credit hours 0:6**

*Prerequisite:* Art 2933. A continuation of Art 2933 with emphasis on the student developing style as well as refining techniques.

- 3543 Painting IV**  
**3 credit hours** **0:6**  
A continuation of Painting III developing the students' skills in opaque paintings. The course will continue to stress form, content, visual appreciation, and individual expression.
- 3553 Graphic Design**  
**3 credit hours** **0:6**  
Introduction to visual communication through graphic design. Problems in design, color, type, concept, history, with emphasis on clear visual thinking, craftsmanship, and execution.
- 3563 Ceramics III**  
**3 credit hours** **0:6**  
*Prerequisite: Art 2543.* Functional stoneware pottery made on the potter's wheel. In addition, research on different types of ceramic glazes.
- 3613 Jewelry I**  
**3 credit hours** **3:0**  
Develops students' skills in metal forming, casting, and fabrication. Emphasis will be on artistic design and craftsmanship.
- 3663 Printmaking**  
**3 credit hours** **0:4**  
Introduction to basic printmaking techniques. Emphasis on proper use of tools and equipment. Basic exploration of relief, planographic, and intaglio processes.
- 4000 Problems in Art**  
**1-3 credit hours** **1-3:0**  
*Prerequisite: Consent of instructor.* Problems and/or independent study course in art.
- 4013 Watercolor Painting I**  
**3 credit hours** **0:6**  
Study of watercolor painting techniques. Color mixing and materials needed.
- 4421 Senior Exhibit**  
**1 credit hour** **1:0**  
Students will have a public showing of their works along with a video presentation.
- +4303 Art History II**  
**3 credit hours** **3:0**  
Examines the major movements of Western art from the Baroque period of the seventeenth century to the end of the twentieth century.
- 4323 History of Modern Art**  
**3 credit hours** **3:0**  
Surveys the major developments in European and American art from the 1800's.
- 4333 History of Italian Renaissance Art**  
Course focuses upon art in the Italian Renaissance period. It will encompass the time period from 1200 to 1594 dealing with artists and their works that involve painting, sculpture, and architecture. The student will learn to recognize styles, formal characteristics and techniques used by artists of this time period and will analyze and comment on the works of art using the approach of an art critic.
- 4343 History of Medieval Art**  
**3 credit hours**  
Course focuses upon art in the Medieval period with an overview of painting, sculpture, and architecture in Italy, Byzantium, Germany, and France. It will encompass the time period from the 4th to the 14th centuries - including Early Christian, Byzantine, Pre-Romanesque, Hiberno-Saxon, Carolingian, Ottonian, Romanesque, and Gothic art. The student will learn to recognize styles, formal characteristics, and techniques used by the artists of this time period. They will analyze and comment on the works of art using the approach of an art critic.
- 4423 Watercolor Painting II**  
**3 credit hours** **0:6**  
*Prerequisite: Art 4013 or consent of instructor.* Individual problems in watercolor painting. Designed for students who have completed Art 4013 and/or have enough experience in watercolor painting to plan and execute their paintings primarily by themselves, but under the direction of the instructor.
- 4523 Art Marketing II**  
**3 credit hours** **3:0**  
A continuation of Art 2333.

168

**4563 Ceramics IV**  
**3 credit hours** **3:0**  
*Prerequisite: Art 3563.* Continuation of Art 2553. Functional stoneware pottery made on the potter's wheel with emphasis on surface design, focus on slips, engobes, glazes, over-glazes, and luster used as a painting medium on pottery forms. Research will involve creating a personal ceramic studio.

### AVIATION EDUCATION (AVED)

**1142 Theory of Flight**  
**2 credit hours** **2:0**  
Ground school course including civil air regulations, theory of flight, power plants, service of aircraft, and the principles of theory of flight, power plants, service of aircraft, and the principles of navigation and meteorology. Fulfills the ground school training needed for private pilot's certificate.

**1252 Flight Training**  
**2 credit hours** **0:4**  
*Prerequisite: Aved 1142 or concurrent enrollment in Aved 1142.* Flight training course which will follow F.A.A. regulations. Includes familiarization, orientation, demonstration, practice of maneuvers, dual, solo cross country, and all types of flying to meet the requirements of the approved standardized F.A.A. flight curriculum. Training will be conducted at Guymon Airport with certified F.A.A. flight instructors in charge.

### BIOLOGY (BIOL)

**1212 The Science of Evolution**  
**(Spring--even years)**  
**2 credit hours** **2:0**  
Introductory course into evolution and evolutionary theory. Will examine the basic theories concerning evolution and debunk the myths associated with many other theories.

**+1304 Principles of Biology I**  
**(Fall/Spring)**  
**4 credit hours** **4:0**  
An introduction to the basic concepts of biology including cell structure and function, chemical basis of life, energy production, the cellular basis of reproduction, basic genetics, patterns of inheritance, and evolution of life.

**+1504 Principles of Biology II**  
**(Spring)**  
**4 credit hours** **3:2**  
An integrated lecture and laboratory course that covers the most important concepts of organismal biology including plant and animal morphology and physiology; principles of evolution, organismal diversity and phylogeny; population biology, population genetics, and organism behavior. This course is a foundation and prerequisite for all other biology courses except Biology 1304. Laboratory exercises include application of the scientific method and microscopy and experiments in Hardy-Weinberg equilibrium, organism classification, organism morphology and physiology, systematics, cladistics, and microbiology.

**+2065 Comparative Vertebrate Anatomy**  
**(Spring odd years)**  
**5 credit hours** **3:4**  
*Prerequisite: Biol 1504.* Comparison of the anatomy of selected vertebrate types. Vertebrate dissection required.

**+2104 Human Anatomy**  
**(Fall)**  
**4 credit hours** **3:2**  
*Prerequisite: Biol 1504, Chem 1135, or signature of instructor.* Systematic study of the basic structure of the human body. Laboratory examines basic human and mammalian structures. Mammalian dissection required.

**+2124 Microbiology**  
**(Spring/Summer)**  
**4 credit hours** **3:2**  
*Prerequisite: Biol 1504 and Chem 1135, or consent of instructor.* Basic study of microorganisms and their influences on man in respect to water, soil, food production, disease, and immunity. Laboratory instruction deals primarily with basic techniques in handling and culturing microbes.



- +2213 Comparative Plant Morphology**  
(Offered as needed)  
**3 credit hours** **2:2**  
*Prerequisite: Biol 1504.* Survey of the plant kingdom, including the study of life cycles and structural and functional anatomy of representative forms from each major group of plants.
- +3013 Medical Terminology**  
(Fall/Spring)  
**3 credit hours** **3:0**  
Study of definition and use of medical terms common to many health-related disciplines.
- +3024 Genetics**  
(Fall)  
**4 credit hours** **2:3**  
*Prerequisite: Biol 1304 and 1504.* Integrated lecture and laboratory course that covers Mendelian genetics and the chemical/molecular basis of inheritance including developmental, population, and human genetics. Laboratory experiments will exemplify concepts and include fruit fly crosses, exercises on mitosis and meiosis, probability and statistics, human genetics, population genetics, DNA isolation and gel electrophoresis, and computer simulations of genetics problems.
- +3054 Entomology**  
(Fall even years)  
**4 credit hours** **3:2**  
*Prerequisite: Biol 1504.* Structure, classification, and environmental relationships of insects. Collection required.
- +3104 Ornithology**  
(Spring-- odd years)  
**4 credit hours** **3:2**  
*Prerequisites: Biol 1304, Biol 1504 and Biol 2065.* Integrated lecture and laboratory course that teaches students how avian taxa differ from other vertebrates. Topics will include phylogeny, systematics, and classification of extant taxa; identification of North American taxa; physiological and anatomical adaptations for flight; behavioral adaptations including migration, song, mating displays, and territorial department, and appreciation of avian fauna.
- +3124 Human Anatomy - Non Majors**  
(Fall--even years)  
**4 credit hours** **3:2**  
*Prerequisite: Biol 1304.* Integrated lecture and laboratory that covers the architecture of the human body and how it functions. Topics covered include the major systems of the human body.
- +3204 Herpetology**  
(Fall--even years)  
**4 credit hours** **3:2**  
*Prerequisites: Biol 1304, Biol 1504, and Biol 2065.* Integrated lecture and laboratory teaching how amphibian and reptile taxa differ from other vertebrates. Topics include phylogeny, systematics, and classification of extant taxa, identification of North American taxa, physiological and anatomical adaptations for terrestrial and aquatic life, behavioral adaptations including estivation, vocalization, mating displays, territorial department, and appreciation of native fauna.
- +3205 Human Physiology**  
(Spring)  
**5 credit hours** **4:2**  
*Prerequisite: Biol 1504 and Chem 1135 and approval of instructor.* Anatomy and physiological functions of the organ systems of the animal body; how the different systems function together with a study of the basic structure of the human body.
- +3224 Animal Parasitology**  
(Spring)  
**4 credit hours** **3:2**  
*Prerequisite: Biol 1504.* Life histories, host relationships, structure, and distribution of animal parasites. Collection required.
- +3344 Mycology and Plant Pathology**  
(Fall--even years)  
**4 credit hours** **3:2**  
*Prerequisite: Biol 1504.* Introduction to ontogeny, structure, and relationships of slime molds, true fungi, and bacteria/viruses. Plant pathogens in each group will be emphasized.
- +3422 Biological Science Concepts in Elementary Education**  
(May Interterm)  
**2 credit hours** **2:0**  
A basic background in chemistry, biology, and class/lab safety with group demonstrations and activities designed to motivate elementary students to learn science.

170

- +3464 Plant Physiology**  
(Offered as needed or odd years)  
**4 credit hours** **3:2**  
*Prerequisite:* Biol 1504 and a course in organic chemistry. A survey of the physiological processes, activities, and functions of plants.
- +3504 Immunology**  
(Fall--odd years)  
**4 credit hours** **3:2**  
*Prerequisite:* eight hours biology or consent of instructor. The study of fundamental principles of immunity and hypersensitivity as well as the functional expression of the immune system.
- +3704 General Ecology**  
(Spring)  
**4 credit hours** **3:2**  
*Prerequisite:* Biol 1504 and Biol 3813. Interrelationships of organisms and their environments. Field trips and laboratory reports required.
- 3813 Biological Statistics**  
(Spring)  
**3 credit hours** **3:0**  
*Prerequisite:* Math 1513. Methods of collecting, analyzing, presenting, and interpreting numerical data for biological applications. The emphasis shall be placed on descriptive, inferential statistics, and interpretation of findings.
- 3924 Range Management**  
(Spring)  
**4 credit hours** **3:2**  
*Prerequisite:* Agrn 1214. Utilization and establishment of tame and native range. Application of plant and animal ecological principles to management systems. Field trips required.
- +4000 Problems in Biology**  
(Offered as needed)  
**1-4 credit hours** **1-4:0**  
*Prerequisite:* Biol 1504 and eight additional hours of biology. May be repeated in different phases of biology. Execution and investigation of elementary but fundamental and original problems in biology under supervision. Credit varies. Written report in a form suitable for publication must be submitted at the conclusion of the problem.
- +4013 Pathophysiology**  
(Spring)  
**3 credit hours** **3:0**  
Designed to examine the outcomes of pathological processes at cellular and systemic levels; focuses on etiological, symptomatic, and pathological aspects of major physiological alternations in humans.
- +4014 Molecular and Cellular Biology**  
(Fall)  
**4 credit hours** **3:2**  
*Prerequisite:* Biol 1504. Course will include structure and function of cells and subcellular components, synthesis and regulation of DNA, RNA, and protein, cell cycles, chromosome structure, and cell differentiation. Lab will include studies of cellular and chromosomal structure and basic molecular biology techniques.
- +4044 Developmental Biology**  
(Spring odd years)  
**4 credit hours** **3:2**  
*Prerequisites:* Biol 1304, Biol 1504, Biol 3024 and Biol 4004. Integrated lecture and lab course that provides the most current knowledge needed to describe morphology of development in some model organisms and, where possible, to explain this in terms of genetic, cellular, and molecular mechanisms. The student will learn that many developmental processes are triggered by three phenomena: changes in gene expression, cell-to-cell interactions, and cell-extracellular matrix interactions. This course will also introduce the student to the laboratory investigation of developmental process in invertebrates and vertebrates.
- 4113 Weed Science**  
(Spring)  
**3 credit hours** **2:1**  
*Prerequisite:* Agrn 1213 and Chem 1135. Growth, dissemination, economic importance, and distribution of weeds. Physiological, ecological, cultural, and chemical methods of weed control. Chemistry and application of herbicides.
- +4243 Evolutionary Biology**  
(Spring--even years)  
**3 credit hours** **3:0**  
*Prerequisites:* Biol 1304, Biol1504 and Biol 3024. In depth information on the theories of sexual selection, speciation, social behavior, biodiversity, natural selection and adaptation, molecular and population evolution and coevolution.
- +4413 Conservation of Biological Resources**  
(Fall--odd years)  
**3 credit hours** **3:0**  
*Prerequisite:* Four hours of biology. A study of the biological resources of the earth and methods for their use, preservation, conservation, and replacement. Discussion of current problems in conservation. This class is cross referenced with Sced 3413.

**+4455 Microtechnique Histology**  
(Fall--odd years)  
**5 credit hours** **2:6**  
*Prerequisite: Biol 1504, and junior standing.* Introduction to practical laboratory methods of preparing plant and animal tissue for microscopic examination; histological study of vertebrate cellular structure of tissues and organs.

**+4502 Senior Thesis**  
(Fall)  
**2 credit hours** **0:2**  
*Prerequisites: Biol 1304, Biol 1504, Biol 3024 and Biol 3704.* Laboratory based course providing the senior biology major and minor an opportunity to design, perform, analyze the data collected, and record the outcome and implications of an independent experiment.

## **BUSINESS ADMINISTRATION (BADM)**

**1013 Introduction to Business**  
**3 credit hours** **3:0**  
For non-business majors, first year business majors, and business education majors. Not available for credit to Business Administration, Accounting or Agribusiness majors with over 60 semester hours. An overview of business, management and organization of human resources, production and productivity, marketing, accounting and finance, information management and controls, and business career opportunities.

**+1103 Business Mathematics**  
**3 credit hours** **3:0**  
Not available for credit to Business Administration, Accounting or Agribusiness majors with over 60 semester hours. An intensive review of business mathematics applications in such areas as checking and savings accounts, payroll, interest computations, retail pricing, discounts, inventory, depreciation, insurance, taxes, and commissions.

**2000 Independent Studies in Business Administration**  
(Offered as needed)  
**1-3 credit hours** **3:0**  
Used for requesting credit through departmental exams, military experience other than basic training, and all other types of experiential learning.

**2013 Personal Finance**  
(Fall)  
**3 credit hours** **3:0**  
Family financial planning for the entire family life cycle; budget planning and control; providing for education, housing, transportation, insurance, investments, and retirement.

**+2113 Principles of Macroeconomics**  
(Fall/Spring/Summer)  
**3 credit hours** **3:0**  
A study of the economic system as a whole, featuring all major schools of economic thought, the forces determining the level of employment output and price, relating these forces to fiscal and monetary policy, and aggregate supply and demand.

**+2123 Principles of Microeconomics**  
(Fall/Spring/Summer)  
**3 credit hours** **3:0**  
*Prerequisite: Badm/Econ 2113.* A study of the behavior of individual industries, firms, and households within the economic system, analyzing the operation of markets for goods, services, and factors of production; the behavior of firms and industries in different types of competition and income distribution of final goods and services, the function of market factors on capital, land, and international trade.

**+3023 Technical Writing**  
(Fall)  
**3 credit hours** **3:0**  
*Prerequisite: Engl 1213.* In-depth study of technical writing as applicable to the forms of writing required in careers and graduate schools. Applied writing in each student's area of specialization.

**3073 Principles of Insurance**  
**3 credit hours** **3:0**  
*Prerequisite: Junior standing.* Broad principles and terminology common to insurance types; fire, casualty, life, and property insurance from the customer's point of view. Will include insurance organizations, analysis of risk, probability, and role of actuaries.

172

**+3103 Consumer Economics  
(Spring)**

**3 credit hours 3:0**

*Prerequisite: Badm 2113.* The interrelationships of the consumer with public and private providers of goods and services, including consumer credit, protective agencies, consumer services, principles of consumer choice, and the fiscal and political systems.

**3123 Business Law I  
(Fall/Spring)**

**3 credit hours 3:0**

The development of the law of business. Special attention to the law governing contracts, personal property, agency, negotiable instruments, bailment, transportation, and employer-employee relationship.

**+3173 Business Communications  
(Fall/Spring)**

**3 credit hours 3:0**

*Prerequisite: Engl 1213.* The study and applications of the concepts of inter- and intra-organizational communications—oral and written. Includes listening skills, letters, memos, resumes, giving instructions, chairing meetings, and interviews.

**3323 Business Law II  
(Fall/Spring)**

**3 credit hours 3:0**

Business essentials of guaranty and suretyship, sales, partnerships, corporations, real property, mortgages, leases, trusts and estates, bankruptcy, Uniform Commercial Code, commercial paper, and secured transactions.

**3373 Real Estate Principles  
(Spring)**

**3 credit hours 3:0**

*Prerequisite: Junior standing or consent of instructor.* Primary emphasis placed upon contracts, home ownership, brokerage, deeds, and selling. Includes Oklahoma license laws, rules, and regulations. Successful completion of this course will meet the educational requirements of the Oklahoma real Estate Commission to qualify to take the licensing exam for the Provisional Sales Associate License.

**3573 Money and Banking  
(Spring)**

**3 credit hours 3:0**

*Prerequisite: Badm/Econ 2113, Ag 2343, Econ 2123, or consent of instructor.* Modern currency, banking, and credit and their places in present financial organization.

**+3613 Statistics  
(Fall/Spring/Summer)**

**3 credit hours 3:0**

*Prerequisite: Math 1513.* Methods of collecting, analyzing, presenting, and interpreting numerical data for a variety of applications. General application of statistical principles is emphasized.

**4000 Independent Studies in Business  
Administration  
(Offered as needed)**

**1-3 credit hours 1-3:0**

*Prerequisite: Junior standing and consent of instructor.* This course is designed to give the student the opportunity to pursue areas of individual interest with emphasis in the area of business administration. The course may be repeated with a change in the areas of interest for a maximum of three semester hours.

**4603 Business Ethics  
(Fall/Spring/Summer)**

**3 credit hours 3:0**

*Prerequisite: Junior standing or above.* Using a managerial framework, this course explains how ethics can be integrated into strategic business decisions. This framework provides an overview of the concepts, processes, and best practices associated with successful business ethics programs. This approach prepares students for ethical dilemmas they will face in their business careers.

**4703 Business Administration Internship  
(Summer)**

**3 credit hours 3:0**

*Prerequisite: Junior standing or above and consent of the instructor.* Supervised professional-level business assignment with public, private, or governmental organization.

**BUSINESS EDUCATION (BU)**

**4272 Methods of Teaching Business Education**

**2 credit hours 2:0**

*Prerequisite: Consent of instructor.* The work of the business teacher in the secondary school. Course objectives, equipment, courses of study, texts, and special methods in the common business subjects.

**BUSINESS FINANCE (FIN)**

- 3573 Money and Banking**  
(Spring)  
**3 credit hours 3:0**  
*Prerequisite: Badm/Econ 2113.* Modern currency, banking, and credit and their places in present financial organization.
- 3773 Business Finance I**  
**3 credit hours 3:0**  
(Fall/Spring)  
*Prerequisite: Acct 2103, Acct 2203, Badm/Econ 2113, and Math 1513.* An introduction to the principles of corporate financial management. Primary emphasis is on business taxation, financial statement analysis, source of capital, risk analysis, time value of money, security valuation, and costs of capital.
- 3783 Business Finance II**  
**3 credit hours 3:0**  
(Spring)  
*Prerequisite: FIN 3773.* A continuation of FIN 3773 with emphasis on cost of capital, capital budgeting, working capital management, capital structure theory, financial planning and forecasting, working capital management, asset mix, and special topics in financial management.
- 4000 Special Topics in Finance**  
(Offered as Needed)  
**1-3 credit hours 1:0- 3:0**  
*Prerequisite: Consent of instructor.* This course is designed to cover specific advanced concepts in finance theory and/or practice. May be repeated for credit.
- 4063 Commercial Banking**  
(Spring)  
**3 credit hours 3:0**  
*Prerequisite: Fin 3783 or Fin 3773.* Study of the financial management of commercial banks and other selected institutions, emphasizing their role in the money and capital markets through funds acquisitions, investment and credit extension.
- 4083 Investments**  
(Spring)  
**3 credit hours 3:0**  
*Prerequisite: Fin 3773 or Fin 3773.* A study of investment, securities, sources of investment information, the security markets and elements of analysis.

- 4603 Financial Statement Analysis**  
**3 credit hours 3:0**  
Advanced course on methods of analyzing financial position, trends, and prospects of a company using the available financial statements.

**BUSINESS MANAGEMENT (MGMT)**

- +3703 Small Group Discussion**  
(Fall)  
**3 credit hours 3:0**  
*Prerequisite: Speech 1113.* Leadership training through the study of oral communication and decision-making. The relationship of oral communication and discussion techniques to problem-solving, decision-making, conflict resolution, and patterns of leadership in small groups.
- 3813 Principles of Management**  
(Fall/Spring)  
**3 credit hours 3:0**  
An introductory management course dealing with the fundamental principles of management such as planning, organizing, leading, and controlling the fundamental processes.
- 4703 Organizational Communication**  
(Spring)  
**3 credit hours 3:0**  
*Prerequisite: Spch 1113.* Emphasis upon communication behaviors which occur within organizational structures, including group processes, interviewing techniques, listening behaviors, and communication phenomena within business, professional, and community organizations.
- 4813 Office Management**  
(Fall)  
**3 credit hours 3:0**  
A study of layout, business forms, reports, budgets, organizational structures, human relations, and performance standards to improve office procedures. Methods, systems (including filing: alphabet, subject, geographic, and special systems), and procedures to control waste in the use of time, effort, and equipment in business offices.

174

**4873 Human Resource Management**

(Spring)

**3 credit hours 3:0**

*Prerequisite: Mgmt 3813.* Selection, placement, training of employees, securing effective effort of employees, and personal techniques in human relations.

**4893 Small Business Management**

(Fall)

**3 credit hours 3:0**

*Prerequisite: Senior standing and all of the common business core.* This course is a capstone course that covers the operations of small business firms. It emphasizes those aspects of management that are uniquely important to small business and attempts to develop an understanding of the economic system and social environment in which the small firm operates. This is a capstone course.

**4983 Strategic Management and Business Policy**

(Spring)

**3 credit hours 3:0**

*Prerequisite: Senior standing and all of the common business core.* A capstone course for senior-level students designed to integrate and bring all of the functional areas into use in analysis process and strategic decision making. Primarily a case study course. This is a capstone course.

**BUSINESS MARKETING (MKTG)**

**3643 Advertising Copy and Layout**

**3 credit hours 2:2**

Preparing advertising copy and layouts; applying modern merchandising methods, basics of printing design, and typography. Practical problems emphasizing local and regional application.

**3913 Principles of Marketing**

(Fall/Spring)

**3 credit hours 3:0**

An introductory course utilizing a managerial approach to the study and problems of marketing with emphasis on marketing strategy and development of marketing mix..

**3923 Professional Selling**

(Fall)

**3 credit hours 3:0**

*Prerequisite Mktg 3913.* Modern salesperson; traits required for success in the field; the selling process; the functions of sales management.

**3973 Advertising**

(Spring)

**3 credit hours 3:0**

*Prerequisite: Mktg 3913.* Modern advertising principles and practices. Functions of advertising, ethics, fields, selection of media, and copy and layout. Advertising from the viewpoint of both seller and consumer.

**4023 Retailing**

(Fall)

**3 credit hours 3:0**

*Prerequisite: Mktg 3913.* Principles and practices of modern retailing. Store location and arrangement; organization; merchandising; retail advertising; customer service; personnel management.

**4973 Purchasing**

(Fall)

**3 credit hours 3:0**

*Prerequisite: Mktg 3913.* Purchasing practices and control of materials in business operations.

**4983 Strategic Marketing Management**

(Spring - as needed)

**3 credit hours 3:0**

*Prerequisite: Senior standing, all of the common business core, at least two courses in concentration completed, or consent of instructor.* This is a capstone course for senior-level students designed to integrate and bring all the functional areas of marketing and management into use in the analysis process and strategic decision making process. This will be accomplished primarily through case studies, computer based simulation, and the creation of strategic marketing plans.

**4993 Marketing Research**

(Spring)

**3 credit hours 3:0**

*Prerequisite: Senior standing and all of the common business core.* This is a capstone marketing course, additional marketing courses are recommended. A study of theories, concepts and methodology in applying research to marketing problems. Emphasis is on the role of research as a factfinding and data analysis function and the findings are used in formulating marketing policies.

## BUSINESS SECRETARIAL SCIENCE (SESC)

- 1103 Computer-Based Typing I**  
**3 credit hours** **3:0**  
 A first course in touch typing, includes learning the keyboard and acquiring efficient habits in operating the machine. Stresses typing for personal use.
- 2000 Problems in Secretarial Science**  
**1-3 credit hour** **1-3:0**  
*Prerequisite: Consent of instructor.* A problem and/or independent study in secretarial science.
- 2373 Advanced Computer Keyboarding and Desktop Publishing**  
**3 credit hours** **3:0**  
*Prerequisite: Sesc 1103 or consent of instructor.* Mastery of the keyboard and application of type-writing and the use of a popular desktop publishing program. Provides instruction in development of speed and accuracy, arranging, letter styles, reports, footnotes, and other related areas. Students gain a thorough understanding of desktop publishing along with the basics of graphic design and printing.

## CHEMISTRY (CHEM)

- +1135 General Chemistry I**  
**(Fall/Spring)**  
**5 credit hours** **4:2**  
*Prerequisite: Minimum ACT Science subscore of 19 or equivalent. Concurrent enrollment in Math 1513 or consent of instructor.* Introduction to the study of the chemical substances, structures, properties, and reactions.
- +2235 General Chemistry II**  
**(Spring)**  
**3 credit hours** **3:2**  
*Prerequisite: Chem 1135 with a grade of "C" or above or equivalent.* Continuation of Chemistry 1135 with a laboratory consisting of chemical principles involved in detection of common cations and anions by semimicro laboratory procedures.
- +2021 Chemical Literature**  
**(Fall--even years)**  
**1 credit hour** **1:0**  
*Prerequisite: Grade of C or above in Chem 1135 and Chem 3315 or equivalent.* Brief study of available literature sources which contain original papers on chemistry and related fields. Library research paper is required.
- +3025 Quantitative Analysis Theory**  
**(Offered as needed)**  
**3 credit hours** **3:2**  
*Prerequisite: Grade of C or above in Chem 2235.* Theory of quantitative analysis including volumetric, gravimetric, and instrumental techniques of analysis with laboratory experiences in volumetric, gravimetric, and instrumental analysis.
- +3213 Pharmacotherapeutics**  
**(Fall/Summer)**  
**3 credit hours** **3:0**  
 Principles of therapeutic pharmacology for restoration and support of psychological, physiological and chemical disturbances in human function. Focus on drugs in the context of their principal uses, their effects on biochemical or physiological processes, and guidelines for nursing intervention indicated by these effects.
- +3315 Organic Chemistry I**  
**(Fall)**  
**5 credit hours** **3:4**  
*Prerequisite: Grade of C or above in Chem 1135 or equivalent.* Chemistry of organic compounds with emphasis on mechanisms of reactions. Aromatic and aliphatic compounds of theoretical, biological, and technical importance.
- +3325 Organic Chemistry II**  
**(Spring)**  
**5 credit hours** **3:4**  
*Prerequisite: Grade of C or above in Chem 3315 or equivalent.* A continuation of Chem 3315. Introduction to instrumental analysis and synthesis procedures.

176

**+3415 Physical Chemistry I**  
**5 credit hours** **3:4**

*Prerequisite:* Grade of C or above in Chem 3315 and Chem 3325 and Math 1824. Study of the physical behaviors of compounds and compound mixtures in gases, solutions, and solids.

**+3525 Physical Chemistry II**  
**5 credit hours** **3:4**

*Prerequisite:* Grade of C or above in Chem 3415. Continuation of Chem 3415.

**+4024 Biochemistry I**  
**(Fall)**  
**4 credit hours** **4:3**

*Prerequisite:* Chem 3315 or Chem 3315.  
An introduction to the chemistry of living systems. Chemical properties of the constituents of living organisms and modes of formation, reactions, and functions of these compounds.

**+4031 Seminar**  
**(Fall--odd years)**  
**1 credit hour** **1:0**

*Prerequisite:* Grade of C or above in Chem 2021 and Chem 3325 or consent of instructor. Written and oral reports on articles appearing in chemical literature.

**+4034 Biochemistry II**  
**(Spring)**  
**4 credit hours** **4:3**

*Prerequisite:* Chem 3315 or Chem 3015 and Chem 4024. Reaction sequences and cycles in enzymatic transformation of fats, proteins, and carbohydrates, energy transfer, biosynthesis, and integration of metabolic pathways.

**+4405 Instrumental Analysis**  
**(Offered as needed)**  
**5 credit hours** **3:4**

*Prerequisite:* A grade of C or above in Chem 3325 or equivalent and Phys 2114 or equivalent. Study of the methods and theory of instrumentation used in modern chemistry.

**+4930 Special Problems in Chemistry**  
**(Offered as needed)**  
**2-3 credit hours** **2-3:0**

*Prerequisite:* Grade of C or above in prior chemistry courses and consent of instructor. Independent study of selected individuals' research problems. May be repeated once for credit.

## COMPUTER INFORMATION SYSTEMS (CIS)

**1113 Introduction to Computers**  
**(Fall/Spring)**  
**3 credit hours** **3:0**

Course includes file management skills, word processing skills, basic computer terminology, basic Internet use and functionality.

**1983 Logic and Design**  
**(Fall/Spring)**  
**3 credit hours** **3:0**

*Corequisite:* Math 1513. Developing a systematic method for analyzing and designing computer algorithms. Emphasis on Boolean Logic, truth tables, logic charts, and design tools.

**2000 Special Topics in Information Systems**  
**(Offered as needed)**  
**1-3 credit hours** **1-3:0**

*Prerequisite:* Consent of instructor. Intensive study of selected topics.

**2113 HTML and Web Page Development**  
**Fall/Spring**  
**3 credit hours** **3:0**

*Prerequisites:* 6 hours of CIS or Consent of Instructor. An in-depth study of web page design with emphasis on HTML and design tools. Topics include CSS, form design, hosting considerations, URL issues, graphic use, and design concepts.

**2013 Information Systems for Business**  
**(Fall/Spring)**  
**3 credit hours** **3:0**

*Prerequisite:* Word processing and Internet use skills. Course will provide an overview of business information systems, e-commerce, ethics, privacy and security. Course may include use of a project management tool and information system planning.



- 2123 Programming I (Fall/Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Cis 1983 and Math 1513.* Introduction to strategies and techniques of programming design using a structured programming language. Includes algorithm design; program creation using selection, sequence, iteration; variables; math, print, and string functions, and additional fundamental programming concepts. May be repeated with a different language.
- 2223 Micro Applications (Fall/Spring/Summer/January and May Interterms)**  
**3 credit hours** **3:0**  
 Use of productivity application software. Course may be repeated with different software emphasis.
- 2303 Lighting and Composition**  
**3 credit hours** **3:0**  
*Prerequisite: six hours of CIS.* Will teach students about the use of lighting for video. Light quality, key, fill, separation, and background lighting will be covered as well as studio lighting, outdoor lighting and various other lighting environments.
- 2513 Database Use and Data Analysis (Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: CIS 2123.* Includes data analysis, ER diagrams, and database design concepts. DB table creation, load, modify, form, report, and query design and creation. Introduction to SQL.
- 2613 Typography**  
**3 credit hours** **3:0**  
*Prerequisite: Six hours of CIS or consent of instructor.* Investigates the language and practice of typography and its applications. The student will study various types and significant design challenges and will create their own type using typography creation software. Course may be repeated.
- 2623 2D Graphics Applications**  
**3 credit hours** **3:0**  
*Prerequisite: Nine hours of CIS or consent of instructor.* Learn two-dimensional graphics software concepts, use and applications. Course may be repeated with different software emphasis.
- 2633 Audio for Video and Games**  
**3 credit hours** **3:0**  
 An introduction to audio recording and editing for use in video and game applications. This course covers acoustics, microphones, editing, sound effects, and other production tools for use in video applications and game development as well as location audio, sound effects, audio sweetening, synchronizing audio to video, and game audio concepts. In addition, this course explores the role that sound plays in determining mood and evoking emotion when combined with visual stimulus.
- 3123 Website Design**  
**3 credit hours** **3:0**  
*Prerequisite: CIS 2113 and CIS 2513.* Advanced course in web site design based upon current industry standards. The course will cover the interface, design, and various programming techniques for web design. Techniques will include but not be limited to CSS design, Web Layout, proper standards, XHTML, and common industry needs.
- 3313 3D Modeling I (Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: Six hours of CIS courses or consent of instructor.* Introduction to spline and polygonal based character modeling for use in computer animation. Course may be repeated with different software emphasis.
- 3323 Networking Fundamentals (Spring)**  
**3 credit hours** **3:0**  
*Nine hours of CIS.* Firm grasp of basic networking concepts, baseline knowledge essential to pursuit of all levels of networking. Includes OSI model, network design, protocols, network problem solving, basic network security, and related topics.
- 3343 3D Dynamics (Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: CIS 3313.* Advanced course in the Maya physics engine. Students will create artificial elements such as wind, fire, water, gravity, mass, weight, velocity, and other physics based properties within a 3D environment to simulate realistic effects.

178

**3383 Advanced Modeling and Lighting**  
**3 credit hours 3:0**  
*Prerequisite: CIS 3313.* Advanced 3D modeling and dynamic lighting techniques for animation. Course may be repeated with different software emphasis.

**3393 Graphics/Video Editing--Composition**  
**3 credit hours 3:0**  
Emphasizes nonlinear video editing for digital media. Students produce projects which incorporate desktop video and audio, both digital and analog. Sync-sound, picture-sound editing, timing and an introductory to cinematography will be discussed.

**3413 Video Editing--Post Production**  
**3 credit hours 3:0**  
*Prerequisite: CIS 3393.* Course explores techniques of using and creating visual effects for video. Students learn techniques including chromakey, masking, transitions, color correction, and others. Students will learn to use video editing software and tools.

**3513 Storyboarding**  
**3 credit hours 3:0**  
*Prerequisites: six hours of English and six hours of CIS.* Investigates the art of visual storytelling. Student will learn how to develop pre-visualizing techniques for video shots, graphic rendering and other video or graphics productions. Scene creations, transitions, camera angles and placement of actors are some of the skills that storyboarding will teach.

**3613 Intermediate Programming**  
**(Fall/Spring)**  
**3 credit hours 3:0**  
*Prerequisite: CIS 2123. Corequisite: CIS 2513 and, CIS 2113 or consent of instructor.* Language specific intermediate programming concepts, interface design, code design, code implementation, debugging, and testing. Specific languages may include object oriented concepts and techniques. Course may be repeated with different language emphasis.

**3723 Operating Systems**  
**(Fall)**  
**3 credit hours 3:0**  
*Prerequisite: Six hours of CIS or consent of instructor.* In depth study of the capabilities, functions, installation and management of a Unix related operating system and applications for the system.

**3804 Hardware and Software Architecture**  
**(Fall)**  
**4 credit hours 3:2**  
*Prerequisite: 12 hours of CIS courses or consent of instructor.* In-depth study of software structure and hardware components. Emphasis placed on troubleshooting, maintenance repair, and installation of components, operating systems, and drivers. Prepares student for hardware based certification exam.

**3833 Network Administration**  
**(Fall)**  
**3 credit hours 3:0**  
*Prerequisite: CIS 3323.* Study of basic network administration. Includes NOS installation, OSI model, terminology, client-server operation, connectivity, network directory structure, design, creation, administration, maintenance, and management. Course may be repeated with different NOS.

**4000 Problems: Computer Information Systems**  
**(Offered as needed)**  
**1-4 credit hours 1-4:0**  
*Prerequisite: Consent of instructor.* Allows student to pursue areas of interest based on industry needs and changing technologies.

**4023 Texturing for 2D and 3D**  
**3 credit hours 3:0**  
*Corequisites: CIS 2623, CIS 3313 or consent of instructor.* An introduction to methods of making textures for 2D and 3D games and graphics. Research will include creation and implementation of student made textures into existing game packages or 3D models.

**4113 Advanced Programming**  
**3 credit hours 3:0**  
**(Fall/Spring)**  
*Prerequisite: CIS 3123 and CIS 3613.* Language specific advanced programming concepts, advanced code design, and implementation, data access, reporting, and multi-tier development. Specific languages may include advanced object oriented concepts and techniques. Course may be repeated with different language emphasis.

**4213 Advanced Network Administration**  
**(Spring)**  
**3 credit hours 3:0**  
*Prerequisite: CIS 3833 or consent of instructor.* Advanced network directory structure, file system design, creation, and management of users, groups, login security, trustee assignments and file rights and attributes. Network installation, management printing, security. Course may be repeated with different NOS.

- 4223 Structured Systems Analysis (Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: CIS 3803 or consent of instructor.*  
 Overview of system development life cycle and system documentation. Includes data flow, data structure, file designs, input and output design, program specifications, information gathering, and reporting activities, as well as CASE tools and techniques of systems analysis.
- 4233 Game Level Design**  
**3 credit hours** **3:0**  
 Introduction to game world creation used in 3D computer games. Emphasis will be on polygonal models created with 3D applications and 3D modeling software packages. Students will have the opportunity to implement their levels into an existing game. Course may be repeated with different 3D applications.
- 4243 Computer Animation (Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: CIS 3383.* Key frame animation of 3D models and multimedia enhancement. Course may be repeated with different software emphasis.
- 4333 Advanced Database (Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: CIS 2513 and CIS 3613.* Includes relational models, SQL, database administration, and management concepts. Students will design and implement a database project, develop a users' manual, and train the user(s) of the database.
- 4393 Network Security**  
*Prerequisites: CIS 3804, CIS 3833, and consent of instructor.* Analyze network traffic and understand the fundamentals of protocol analysis. Analyze real world malicious code, identify common network threats and discover signatures in packets. Students will operate in a team environment where knowledge is shared and the team has a common goal of network security.
- 4413 Web Animation (Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: CIS 3113 or consent of instructor.*  
 This course studies the use and creation of web-based animation and graphics. The students will study various types of animations found on the Internet and will design and create their web pages using these animations. Course may be repeated with different software emphasis.
- 4443 Project in Animation (Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: CIS 4243.* A project-oriented class that students will use to create industry quality models and animations. Projects may deal with, computer gaming, movie animations, 3D design, advertising or related areas. Course may be repeated with different project emphasis.
- 4993 Capstone Project**  
*Prerequisite: Senior CIS major or minor.* An advanced project course. Students will create an application that must utilize multiple knowledge areas which could include programming, database, web development, network, hardware and other IT skills.
- CRIMINAL JUSTICE (CJ)**  
**(One advanced CJ course every fall, and two advanced CJ courses every spring are offered on a rotational basis.)**
- 1013 Introduction to Law Enforcement (Fall)**  
**3 credit hours** **3:0**  
 History, philosophy, and functions of community, state, and federal services involved in law enforcement.
- 1033 Criminal Law**  
**3 credit hours** **3:0**  
 Substantive criminal law with particular emphasis placed on the elements of crime, intent, attempts, search and seizure, and the arrest laws.
- 1043 Rules and Procedures of Criminal Evidence**  
**3 credit hours** **3:0**  
 Origin, philosophy, development of, and current interpretation of rules of criminal evidence; appeal process and its effect on rules of evidence; attention to recent U.S. Supreme Court decisions; analysis of types of criminal evidence.

180

**2063 Principles of Criminal Investigation**  
**3 credit hours** **3:0**  
Fundamental principles of investigating a criminal incident, with emphasis placed upon crime scene, interviewing of witnesses, collection and analysis of physical evidence, case preparation for court presentation, and interrogation techniques in light of current federal guidelines.

**2083 Organization and Administration of Law Enforcement**  
**3 credit hours** **3:0**  
Principles of organization and administration of law enforcement agencies and a survey of community, state, and federal enforcement agencies.

### **EARTH SCIENCE (EASC)**

**+1114 Physical Geology**  
**(Fall/Spring/Summer as needed)**  
**4 credit hours** **3:2**  
*Prerequisite: Minimum ACT science sub-score of 19 or equivalent.* An introductory-level geology course including the study of minerals, rocks; processes involved with creating various landforms including stream systems and volcanic topography; the study of global tectonics; and the recognition and interpretation of geologic structures.

**+1214 Physical Geography**  
**(Fall)**  
**4 credit hours** **3:2**  
*Prerequisite: Minimum ACT Science sub-score of 19 or equivalent.* An introductory course dealing with the study of Earth's crust, oceans, soils and landscapes with selected laboratory exercises to demonstrate the principles of Earth's features including the study of maps. Will fulfill general education physical science requirement.

**+2114 Historical Geology**  
**4 credit hours** **3:2**  
*Prerequisite: Minimum ACT science sub-score of 19 or equivalent.* An introduction to fossils and the fossil record along with changes in Earth's crust, atmosphere and oceans through time with selected laboratory exercises. Fulfills general education physical science requirement.

**+2214 Environmental Geology**  
**(Spring--odd years)**  
**4 credit hours** **3:2**  
*Prerequisite: Minimum ACT science sub-score of 19 or equivalent.* An introduction to the most important and useful concepts in the study of the environment including Earth systems and resources with selected laboratory exercises. Will fulfill the general education physical science requirement.

**+3014 Astronomy**  
**(Fall--even years)**  
**4 credit hours** **3:2**  
*Prerequisite: Minimum ACT science sub-score of 19 or equivalent.* The study of the universe and solar system and the methods used by astronomers in the scientific study of the cosmos, planets and the birth and death of galactic objects with selected laboratory exercises.

**+3114 Minerals and Rocks**  
**(Fall--even years)**  
**4 credit hours** **3:2**  
*Prerequisite: Minimum ACT science sub-score of 19 or equivalent.* The study of the origin, occurrence, identification and uses of common rocks and minerals with selected laboratory exercises.

**+3214 Paleontology**  
**4 credit hours** **3:2**  
*Prerequisite: Minimum ACT science sub-score of 19 or equivalent.* The study of fossils and fossil animals and plants that provide a direct record of the history of life on Earth. Fossils are the most practical means of telling time in geology. In addition, the study of the fossil record provides information about the evolution, paleoecology, and paleogeography of the earth.

**+4000 Seminar**  
**(Offered as needed)**  
**1-2 credit hour** **1-2:0**  
*Prerequisite: 8 hours of earth science.* Consideration of selected earth science topics of current interest or importance. May be repeated for a maximum of two hours.

- +4014 Meteorology**  
(Spring--every other year)  
**4 credit hours** **3:2**  
*Prerequisite: Minimum ACT science subscore of 19 or equivalent. A survey of atmospheric processes and their influence on weather and climate with selected laboratory exercises.*
- +4100 Special Topics**  
(Spring)  
**1-4 credit hours** **1-4:0**  
*Prerequisite: Any 1000 or 2000 earth science course or consent of instructor. Study of specific advanced topics in earth science chosen by the instructor.*
- +4114 Oceanography**  
**4 Credit Hours** **3:2**  
*Prerequisite: Minimum ACT science subscore of 19 or equivalent. A study of the science of the oceans including their interactions with the atmosphere, chemical and biological components and physical properties with selected laboratory exercises.*
- ECONOMICS (ECON)**
- +2013 Elements of Economics**  
(Offered as Needed)  
**3 credit hours** **3:0**  
Economic processes and institutions; introduction to market pricing, national wealth, and major economic problems. Will not fulfill economics requirements for a major in the Department of Business or a minor in economics.
- +2113 Principles of Macroeconomics**  
(Fall/Spring/Summer)  
**3 credit hours** **3:0**  
Study of the economic system as a whole, featuring all major schools of economic thought, forces determining the level of employment output and price, relating these forces to fiscal and monetary policy, and aggregate supply and demand.
- +2123 Principles of Microeconomics**  
(Fall/Spring/Summer)  
**3 credit hours** **3:0**  
*Prerequisite: Badm/Econ 2113.* Study of the behavior of individual industries, firms, and households within the economic system, analyzing the operation of markets for goods, services, and factors of production; behavior of firms and industries in different types of competition and income distribution of final goods and services, function of market factors on capital, land, and international trade.
- +2223 Healthcare Economics**  
**3 credit hours** **3:0**  
The fundamental economic principles in contemporary health care. Impact of managed care, prospective payment, and market competition will be discussed.
- +2343 Agricultural Economics**  
(Fall/Spring)  
**3 credit hours** **3:0**  
Principles of farm production, farm management, agricultural resources, and agricultural policy.
- +3113 Intermediate Microeconomics**  
(Offered as Needed)  
**3 credit hours** **3:0**  
*Prerequisite: Econ 2123.* How economists use economic theory to model and analyze microeconomics. For this focus, most of the course concentrates on firm level and individual industries. The evaluation of firm level decision making as it pertains to how firms operate.
- +3123 National Income Analysis**  
(Offered as Needed)  
**3 credit hours** **3:0**  
*Prerequisite: Econ 2113 and Econ 2123.* National income determination and its distribution; aggregate prices, employment, and economic growth.
- +3313 Intermediate Macroeconomics**  
(Offered as Needed)  
**3 credit hours** **3:0**  
*Prerequisite: Econ 2113.* How economists use economic theory to model the macroeconomy. For this focus, most of the course concentrates on learning and understanding economic theory which allows how the economy works.
- +3423 Public Finance**  
(Offered as Needed)  
**3 credit hours** **3:0**  
Public expenditures, government fiscal policy, economics of taxation, and sources of government receipts.
- +3453 Price Theory and Resource Allocation**  
(Offered as Needed)  
**3 credit hours** **3:0**  
*Prerequisite: Econ 2113 and Econ 2123.* Fundamental techniques of price theory, firm organization, and factor pricing.

182

**+3573 Money and Banking**  
(Offered as Needed)  
**3 credit hours** **3:0**  
*Prerequisite: Econ 2113, Ag 2343, Econ 2123, or consent of instructor.* Modern currency, banking and credit, and their places in present financial organization.

**+3813 Economic History of the United States**  
(Offered as Needed)  
**3 credit hours** **3:0**  
*Prerequisite: Sophomore standing.* Development of agriculture, industry, and commerce of the United States; the organization of economic life.

**+4000 Problems in Economics**  
(Offered as Needed)  
**1-3 credit hours** **1-3:0**  
Problems and/or independent study course in economics.

## EDUCATION (EDUC)

**\*Course numbers that begin with 0 within Education are given the prefix DEVR.**

**\*0222 Reading Improvement**  
(Fall/Spring-every year)  
**2 credit hours** **2:1**  
Required for students who are academically weak in reading and study skills. Level I—The course utilizes the vocabulary and text from the content course(s) to emphasize skills in decoding, encoding, analysis of facts, fiction, opinion, and the process of making inferences. Level II—The course utilizes the text of the content course(s) to emphasize reading, comprehension, and study skills. Tasks will include identifying main ideas, supportive details, and purpose of selections. Emphasis will be given to the study of prefixes, root suffixes, and the scientific/subject area vocabulary. Two lecture hours and one laboratory hour are required each week. Course will not fulfill graduation requirements, but may be repeated. Grade of C is required before taking Engl 1113.

**1111 Student Success Seminar**  
(Fall/Spring)  
**1 credit hour** **1:0**

Designed to improve skills essential for success in college including communication, critical thinking, and study skills. Assists students to explore career interests and educational or vocational goals and to become familiar with available university student support services and resources. Required of all students.

**1123 Nutrition**  
**Scheduled through the Nursing Department**  
**3 credit hours** **3:0**  
Consideration of basic nutrition related to food and good health. Nutritional issues and problems in the present socio-economic and cultural environment.

**1222 College Reading**  
**2 credit hours** **2:1**  
*Prerequisite: DEVR 0222 or minimum ACT Social Studies Reading subscore of 19 or equivalent or consent of instructor.* Designed for students who want to increase their reading vocabulary, comprehension skills, and speed of reading. In-depth exploration of the use of more effective study techniques and skills. Two lecture hours and one laboratory hour per week.

**2001 Education Seminar**  
(Fall/Spring)  
**1 credit hour**  
Required for all students, seeking admission into the OPSU Teacher Education Program. Provides necessary information about the portfolio and other items connected with the Professional Education Program.

**2113 Introduction to Education**  
(Fall/Spring)  
**3 credit hours** **3:0**  
*Prerequisite: Sophomore standing.* Explores the philosophical foundations of education, the practical application of these philosophies, the legal and financial aspects of today's common school system, and introduces the element of educational research to the students.

- 2233 Diversity in Education (Fall/Spring/Summer)**  
**3 credit hours 3:0**  
 Examines current issues and trends in educational practices through the perspectives of history, philosophy, sociology, psychology, and anthropology, and the politics of education. Focus will be placed on theoretical and practical issues of diversity in classroom settings, especially related to culture, race, gender ethnicity, language, and socio-economic levels.
- 2323 Reading in the Content Area (Even Fall/Even Spring)**  
**3 credit hours 3:0**  
 Theories and basic principle of reading instruction. Secondary education major skills to recognize poor readers and what to do with them. Required for secondary education majors.
- 2623 Children's Literature (Fall/Spring)**  
**3 credit hours 3:0**  
 This class is a survey of literature for children pre school through grades 8 with emphasis on critical analysis and evaluation of books in various genres. This class is required for elementary education and is highly recommended for prospective parents and those who work with children.
- 2222 Communication Skills for Teachers (Fall/Spring/Summer)**  
**2 credit hours 2:0**  
 Instruction and practice in expository and persuasive writing, in use of the English language, in reading critically, and in public speaking in order to communicate with the audiences of parents, administrators, and other public entities.
- 3003 Introduction to Secondary Education (Spring)**  
**3 credit hours 3:0**  
 A survey of the organizational, historical, philosophical, and legal issues that is associated with secondary schools in the United States. Emphasis will be directed toward benefiting the secondary teacher. Outside class assignments will be included that contain observations and reflections on the pre-service participation in secondary, elementary, and special education classrooms, as well as attendance at school board meetings.
- 3013 Learning Processes of Secondary Students (Spring)**  
**3 credit hours 3:0**  
 A study of the developmental motor, social, cognitive, and emotional growth and maturation of school age children with an emphasis on the junior high ages.
- 3213 Human Development: Child and Adolescent Psychology (Fall/Spring/Summer)**  
**3 credit hours 3:0**  
 This course is designed to develop an understanding of the laws and principles that relate to the growth and maturation in motor, physical, mental, and emotional aspects of human behavior from childhood through adolescence.
- 3223 Education of the Exceptional Child (Fall/Spring/Summer)**  
**3 credit hours 3:0**  
*Prerequisite: Admission into the Teacher Education Program.* Survey of special education in which the various areas of exceptionality are investigated with a focus on problems encountered by the classroom teacher. Emphasis on types of exceptionalities, techniques of identification, teaching, and resources/assistance available to teachers.
- 3233 Methods and Materials Elementary Reading (Fall/Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Admission into the Teacher Education Program.* Development of necessary habits, attributes, and appreciation with references to reading.
- 3243 Guidance of the Young Child**  
**3 credit hours 1:4**  
*Prerequisite: Educ 3343.* Introduction to early childhood education; emphasis on developmental needs and behavior of preschool children; methods and principles of guidance.

- 3253 Diagnostics and Prescriptive Teaching of Reading (Even Fall/Spring/Summer)**  
**3 credit hours** **3:0**  
*Prerequisite: Educ 3413 and admission to Teacher Education Program.* Use of diagnosis and remedial procedures for the general improvement of reading proficiency. Methods, techniques, practices, and materials related to this area will be examined and appraised in the light of accepted psychological and pedagogical findings.
- 3313 Foundations of Reading Instruction (Fall/Even Spring/Summer)**  
**3 credit hours** **3:0**  
*Prerequisite: Admission to Teacher Education Program.* Theories and basic principles of reading instruction. Overview of the content, techniques of vocabulary development, readiness, word recognition, comprehension, and critical reading skills. Exploring approaches, attitudes, and strategies. Required of Elementary Education majors.
- 3333 Methods and Material/Creative Arts (Spring, Fall even years)**  
**3 credit hours** **3:0**  
 Survey of the types of art and music usually presented in public schools. Includes methodology directed toward all levels of elementary education.
- 3343 Child Development: Cognitive Skills**  
**3 credit hours** **3:0**  
 Study of the factors related to the cognitive, physical, social, and emotional development of young children from conception to age nine. Explanation of cognitive development will focus on the children's developmental needs in language, mathematics, science, and social studies areas.
- 3563 Field Experience Practicum I (Fall/Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Admission into the Teacher Education Program.* Pre-service field experiences involving observations and participation in the education of public school students.
- 3603 Early Childhood Education: Curriculum and Program Planning**  
**3 credit hours** **3:0**  
 Early childhood education daily and long-range curriculum program planning. Including social studies, art, music, language development, pre-reading, mathematics, and science.
- 4000 Problems in Education (Offered as needed)**  
**1-4 credit hours** **1-4:0**  
 Research in current educational practice and innovations to improve teacher effectiveness.
- 4001 Education Workshop**  
**1 credit hour** **1:0**  
 Especially designed for classroom teachers interested in new methods and techniques in the presentation of subject matter. May be repeated for credit.
- 4173 Methods and Materials of Teaching Elementary Science and Mathematics (Fall/Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Admission into the Teacher Education Program.* Materials, methods, and classroom procedures as they relate to teaching science and mathematics in the elementary school.
- 4223 Methods and Materials of Teaching Elementary Language Arts (Spring, Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: Admission into the Teacher Education Program.* A study of materials, methods, and classroom procedures as they relate to teaching language arts in the elementary classroom.
- 4273 Field Experience Practicum II (Fall/Spring)**  
**3 credit hours** **3:0**  
*Prerequisites: Admission into the Teacher Education Program.* Pre-service field experiences involving participation in the education of public school students.
- 4312 Classroom Management (Fall/Spring)**  
**2 credit hours** **2:0**  
*Prerequisites: Admission into the Professional Semester.* Exploration of positive classroom techniques and management strategies.



- 4313 Educational Psychology (Fall/Spring/Summer)**  
**3 credit hours** **3:0**  
*Prerequisite: Educ 3213 and admission to the Teacher Education Program.* Course for teachers about the psychology of teaching and learning. Designed to help build teaching skills consistent with what psychologists and teachers know about conditions under which students learn best. Includes accepted classroom management practices.
- 4322 Methods and Materials in Secondary Teaching (Fall/Spring)**  
**2 credit hours** **2:0**  
*Prerequisite: Admission to the Teacher Education Program.* Materials, methods, and classroom procedures as they relate to teaching at the secondary level.
- 4323 Methods and Materials in Social Studies in the Elementary School (Fall, Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: US history, political science, geography, and admission into the Teacher Education Program.* Objectives, methods, and procedures of teaching social studies in the elementary grades.
- 4333 Educational Technology (Fall/Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: admission to Teacher Education Program.* This course is designed for the purpose of integrating modern computer technology into the elementary and secondary school classroom. Students will be exposed to numerous technologies (computer software, scanners, IETV, multimedia, digital cameras, etc.) and will be able to adapt these technologies into daily lesson planning. As a result, technology will become a tool in the natural flow of the teaching and learning process.
- 4362 Educational Tests and Measurements (Fall/Spring--every year)**  
**2 credit hours** **2:0**  
*Prerequisite: Admission into the Professional Semester.* Principles and techniques of measuring educational attainment; essay and objective tests and their construction; standard scores and grading systems; standardized tests; and use of educational research.
- 4423 Instructional Strategies for Secondary Teachers (Fall)**  
**3 credit hours** **3:0**  
 Course will explore the methods and materials used in secondary teaching. Emphasis will be placed on the Oklahoma PASS. competencies and in the understanding and use of self-constructed lesson plans. Outside class assignments will be included that contain observations and possible micro-teaching opportunities in the public schools.
- 4450 Directed Observations and Student Teaching in Elementary School (Fall/Spring)**  
**9 credit hours** **9:0**  
*Prerequisite: Admission into the Professional Semester.* Designed to give each prospective teacher observations and practical experiences in classroom instruction on the elementary level under the guidance and supervision of a successful classroom teacher in a public school. The assignment will be for a period of 12 weeks.
- 4533 Secondary Classroom Management and Assessment (Fall)**  
**9 credit hours** **3:0**  
 Course will present an exploration of positive classroom techniques of measuring educational attainment; essay and objective tests and their construction; standard scores and grading systems; standardized tests; and use of educational research will be discussed.
- 4720 Directed Observations and Student Teaching in the Secondary School (Fall/Spring)**  
**9 credit hours** **9:0**  
*Prerequisite: Admission into the Professional Semester.* Designed to give each prospective teacher observations and practical experiences in classroom instruction on the secondary level under the guidance and supervision of a successful classroom teacher in a public school. Individual weekly conferences with the supervising teacher will be scheduled to discuss practical problems arising in the classroom as well as general problems related to the teaching profession. The assignment will be for a period of 12 weeks, a minimum of sixty days in the public schools.

**4750 Observation and Student Teaching in  
Elementary and Secondary Schools  
(Fall/Spring)**

**9 credit hours** **9:0**

*Prerequisite: Admission into the Professional Semester.* Designed to give each prospective teacher observations and practical experiences in classroom instruction at both the elementary and secondary level under the guidance and supervision of successful classroom teachers at both levels in the public schools. Evaluations will be provided from both levels of student teaching and conferences will be scheduled with both public school teachers. The assignment will be for a minimum period of 12 weeks with six weeks to be served in an elementary school setting (grades 1 - 4) and six weeks to be served in a secondary school setting (grades 10 - 12). Middle School (grades 5 - 9) may be accepted as a substitute for one of the two required settings with approval of the Dean of Education and the Vice President for Academic Affairs.

**SPECIAL METHODS COURSES FOR  
SECONDARY SCHOOL**

**\*\* Prerequisite: Students must be admitted into the  
Teacher Education Program.**

**AGED 4103 Methods of Teaching and Management in  
Vocational Agriculture**  
**3 credit hours**

**EDUC 4322 Methods and Materials in Secondary  
Teaching**  
**2 credit hours**

**ENGL 4313 Methods and Materials of Teaching  
Middle and Secondary English**  
**3 credit hours**

**HPER 3043 Methods and Materials in Secondary  
Physical Education**  
**3 credit hours**

**MATH 4222 Teaching of Mathematics**  
**2 credit hours**

**ENGLISH (ENGL)**

**\*Course numbers within English beginning with 0 will be  
given the prefix DEVE**

**\*0113 Basic English Skills  
(Fall/Spring)**

**3 credit hours** **3:0**

Elementary English grammar skills, such as spelling, diction, capitalization, mechanics, etc. to prepare students for the writing assignments in Deve 0123. Students must pass with a C or better on university writing center software programs developed specifically for developmental English students. Does not meet general education requirements.

**\*0123 Basic Writing  
(Fall/Spring)**

**3 credit hours** **3:0**

Spelling, word usage, and elements of the sentence. Does not meet general education requirements. Grade of C is minimum for passing.

**+1113 Freshman English I  
(Fall/Spring/Summer as needed)**

**3 credit hours** **3:0**

*Prerequisite: Minimum ACT English subscore of 19 or equivalent or Deve 0123.* Essentials of expository theme building concentrating on standard conventions of the English language.

**+1213 Freshman English II  
(Fall/Spring/Summer as needed)**

**3 credit hours** **3:0**

*Prerequisite: Minimum ACT Reading subscore of 19 or equivalent and Deve 0222 and Engl 1113.* Essentials of expository theme writing concentrating on research techniques and a theme of the instructor's choice. OPSU will not accept CLEP credit for Engl 1213.

**+2413 Critical Approaches to Literature  
(Fall)**

**3 credit hours** **3:0**

*Prerequisite: Engl 1213.* Foundation course for the study of literature. Readings/ viewings from various literary genres, such as the short story, poetry, novel, drama, and film.

- +2423 The Short Story (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Engl 1213. May be taken concurrently with Engl 1213.* Short stories of the world. History and development of the short story.
- +2453 Adolescent and Young Adult Literature (Spring--Even)**  
**3 credit hours 3:0**  
 Introduces students to the world of adolescent and young literature. Presentation will involve lecture on history, cultural aspects, critical perspectives, characteristics, and trends of said literature; research assignments on selected examples of said literature; reading sample literature; class discussion concerning sample literature.
- +3013 English Usage/Linguistics (Fall/Spring/January Interterm)**  
**3 credit hours 3:0**  
*Prerequisite: Engl 1213.* Study of the parts of speech, sentence types, linguistics, and history of the English language.
- +3023 Technical Writing (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: Engl 1213.* In-depth study of technical writing as applicable to the forms of writing required in careers and graduate schools. Applied writing in each student's area of specialization.
- +3123 Advanced Grammar (Spring)**  
**3 credit hours 3:0**  
 Thorough study of English grammar and the conventions of standard written English.
- +3143 Survey of British Literature I (Fall)**  
**3 credit hours 3:0**  
 Survey of British literature from the Middle Ages through the 17th century.
- +3153 Survey of British Literature II (Spring)**  
**3 credit hours 3:0**  
 Survey of British literature from the Restoration through the Romantic periods.
- +3163 Survey of British Literature III (Fall)**  
**3 credit hours 3:0**  
 Survey of British literature from the Victorian period through the present.
- +3173 Survey of American Literature I (Fall)**  
**3 credit hours 3:0**  
 American literature from colonial times to Whitman.
- +3183 Survey of American Literature II (Spring)**  
**3 credit hours 3:0**  
 American literature from Twain to the present.
- +3223 Technical Editing and Production (Offered as Needed)**  
**3 credit hours 3:0**  
*Prerequisite: Engl 3023.* Study of the editing and design of paper and electronic documents as applicable to students' majors.
- +3242 Poetry (Fall)**  
**2 credit hours 2:0**  
 Types of poetry and underlying principles of English verse.
- +3353 World Literature (Fall)**  
**3 credit hours 3:0**  
 Study of representative masterpieces of ancient, classical, Renaissance, and modern literature in translation, not including American or British authors.
- +3363 Selected Topics**  
**3 credit hours 3:0**  
 Reading and discussion in world literature. May be taken more than once with content change.
- +3883 Shakespeare (Fall)**  
**3 credit hours 3:0**  
 Shakespeare's major plays.

188

- 4000 Problems in English**  
**1-3 credit hours** **1-3:0**  
Problems and/or independent study course in English. May be taken more than once with varying topics and/or assignments and/or needs.
- 4002 Seminar**  
**(Fall/Spring)**  
**2 credit hours** **2:0**  
Topic: Instructor's choice. May be taken more than once because of varying topics and reading lists.
- +4123 Advanced Composition**  
**(Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Engl 1213.* Various structures of advanced writing with frequent writing contributions from the student.
- +4223 Advanced Technical Writing**  
**(Offered as Needed)**  
**3 credit hours** **3:0**  
*Prerequisite: Engl 3123.* Study of the elements of visual design in professional communication.
- 4313 Methods and Materials of Teaching Middle and Secondary English**  
**(Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: Admittance to the Teacher Education Program.* Current trends and traditional theories for teaching English; practice in developing and teaching units which involve all areas of English: speaking, listening, reading, and writing. Required of English teacher education candidates.
- +4432 Analysis of Modern Drama**  
**(Spring)**  
**2 credit hours** **2:0**  
*Prerequisite: Comm 2423 or Engl/Hum 2413 or consent of instructor.* Careful analysis of selected modern dramas to show the repetition and continuation of historical forms as well as an indication of the trends in contemporary dramatic writing through the study of professional theater critiques.

- 4433 Game Writing**  
*Prerequisite: Engl 1213.* Students develop writing skills appropriate for the gaming world. Students will focus on how characters and stories are developed for games by studying stories from various genres and media; students will apply what they learn to develop their own characters and stories for games.
- +4553 Seminar in Technical Writing**  
**(Offered as Needed)**  
**3 credit hours** **3:0**  
*Prerequisite: Engl 4223.* Study of the contemporary issues in technical writing as applicable to students' majors.
- +4553 Seminar in Technical Writing**  
**(Offered as Needed)**  
**3 credit hours** **3:0**  
*Prerequisite: Engl 4223.* Study of the contemporary issues in technical writing as applicable to students' majors.

## **ENGLISH AS A SECOND LANGUAGE (ESL)**

- 3013 American Culture Patterns**  
**3 credit hours** **3:0**  
This course prepares teachers of TESOL to understand the cultural backgrounds of their students, the function of language as a part of culture, and the role of American public education in dealing with minority groups.
- 3033 ESL Methods and Materials**  
**3 credit hours** **3:0**  
Contemporary methods and materials used in the teaching of ESL K-12, emphasizing contextualized aspects of second language teaching.
- 3043 ESL Assessment and Interpretation**  
**3 credit hours** **3:0**  
Provides students with an understanding of second language development and the theoretical underpinnings necessary for non-biased assessment.
- 3053 Applied Linguistics and Language Development**  
**3 credit hours** **3:0**  
Provides a theoretical and practical background in the nature of language, grammars, language universals, first and second language acquisition, and language variation as well as phonology, morphology, syntax, and semantics as related to all languages.

## EQUINE SCIENCE (EQUI)

- 1104 Introduction to Horsemanship**  
**4 credit hours 4:0**  
 Methods and principles of proper horsemanship with instruction in Western or English riding with emphasis on proper gaits and correct style. Proper handling, horse care, riding skills and use of applicable tack will be stressed.
- 1123 Introduction to Equine Science**  
**3 credit hours 3:0**  
 Introductory study of equine science including anatomy, physiology, origin of the species, and general species information.
- 1132 Equine Evaluation**  
**2 credit hours 2:0**  
 Introductory study of the physiological evaluation of horses. Emphasis placed on form, physiological confirmation and their relationship to good development.
- 1223 Introduction to Equine Training and Care**  
**2 credit hours 2:0**  
 Introductory study of the care and training of horses. Emphasis placed on nutrition, physiological care, preventative health issues, common health issues, humane training practices and their relationship to good training development.
- 2003 Colt Breaking and Training**  
**3 credit hours 3:0**  
*Prerequisite: Equi 1123, and Equi1223.* Introductory study of colt breaking and training including halter, saddle and general handling information for colts.
- 1404 Basic Farrier Training**  
**4 credit hours 4:0**  
 Introductory study of the science of equine hoof maintenance including hoof physiology, trimming, and shoeing horses.
- 2124 Intermediate Farrier Science**  
**4 credit hours 4:0**  
 Instruction on basic trimming of a normal hoof. Using methods, students will shoe normal hooves of "training horses" and demonstrate proper procedures for cold shaping and limited modification of keg shoes.

- 3124 Advanced Farrier Science**  
**4 credit hours 4:0**  
*Prerequisites: Equi1404 and Equi 2124.* Advanced study of the science of equine hoof maintenance including treating injuries, corrective shoeing, and shoe construction.
- 4000 Equine Industry Internship**  
**6 credit hours 6:0**  
*Prerequisites: Equi 1123, Equi 1223, Equi 2003, and Senior Standing.* Internship program of equine science designed to imprint upon the student real life training experience.
- 4003 Advanced Equine Training**  
**3 credit hours 3:0**  
*Prerequisites: Equi 1123, Equi 1223, and Equi 2003.* Advanced study of equine training including horsemanship, working livestock, and pleasure riding.
- 4103 Specialized Equine Training**  
**3 credit hours 3:0**  
*Prerequisites: Equi 1123, Equi 1223, and Equi 2003, Senior Standing.* A capstone equine training course including livestock handling, show, and pleasure riding.

## FARM AND RANCH MANAGEMENT (FRMG)

- 1124 Farm and Ranch Management (Fall)**  
**4 credit hours 3:2**  
 Designed to provide the student with the basic management skills, economic background, and practical experience needed to manage a farm and ranch operation.
- 3144 Modern Agriculture Management (Spring)**  
**4 credit hours 3:2**  
 Overview of all aspects of farm and ranch management. Emphasizes use of economic tools in decision making. Step-by-step procedures that simplify farm planning activities and insure compatibility among alternate farm plans for the purpose of maximizing returns.

190

**FIRE PROTECTION (FPST)**

**1113 Fire Fighter I Certification  
3 credit hours 3:0**

This course is an entry-level training program for fire protection students and other paid and volunteer fire fighters. The course is based on the National Fire Protection Association 1001 professional qualification standard. Basic fire suppression, hazardous materials, fire safety education and rescue skills are addressed. Live fire training is included in the course. Professional certification as a Fire Fighter I and Hazardous Materials First Responder — Awareness level offered at conclusion of course.

**1123 Emergency Medical Tech — Basic Certification  
3 credit hours 3:0**

Provides students with the skills and knowledge for National Registry certification as an Emergency Medical Technician-Basic. Course addresses patient assessment and care at the basic life support level. Clinical and ambulance work required during course. Successful completion of course allows student to participate in the National Registry certification process for EMT-Basic.

**1212 Fire Service Health and Safety  
2 credit hours 2:0**

This course examines current health and safety issues facing fire fighters and EMS responders. Financial, personal and cultural impacts of on duty injury and illnesses are discussed as well as the responsibility of the company officer in preventing injuries and creating a healthy work environment. A research paper on a current health and/or safety issue is required in the course.

**1213 Introduction to Fire Protection  
3 credit hours 3:0**

Provides an overview of the fire and EMS professions including the role of the individual and organization in the community, the role of prevention in a fire department, organization and structure of fire departments, and the future of the fire service. A research paper on an assigned fire service topic is required.

**1313 Building Construction  
3 credit hours 3:0  
(Spring)**

This course provides an in-depth examination of building construction methods and trends and their impact on fire suppression, rescue, and fire protection systems. Classroom and field trips are combined to provide the student with a practical understanding of building construction.

**1413 Fire Service Instructor  
3 credit hours 3:0  
(Summer)**

Designed to develop the skills necessary to design and deliver fire service related training courses and to then evaluate learning to determine if the objectives of the course have been achieved. The course exceeds the requirements of the national Fire Protection association standard 1041 for Fire Service Instructor I and II.

**1513 Fire Safety Education Practices  
3 credit hours 3:0  
(Fall)**

Development of skills and knowledge required to effectively develop, conduct and evaluate fire and life safety education presentations in the community. Analysis of target audience needs, the socio-economic impact on fire and injury, and the process of behavior change through education are examined. The course exceeds the requirements of NFPA 1035 standard for Fire/Life Safety Educator I and II. Professional certification as a Fire/Life Safety Educator I offered at conclusion of course.

**1614 Fire Protection Chemistry  
4 credit hours 4:0  
(Summer)**

Provides an introduction to basic chemistry and its relationship to fire behavior, fire protection and fire suppression methods. Basic hazardous materials chemistry is addressed during the course. The course meets a portion of the requirements for NFPA 472, Chapter 4.

**2111 Incident Management System  
1 credit hour 1:0**

This course is an introduction to the National Fire Service Incident Management System. The focus is practical application of IMS to a variety of emergency operations including structure fires, wildland fires, EMS, and hazardous materials. Staff functions, sections, branches, sectors, and divisions/groups are discussed.

- 2213 Fire Protection Systems**  
**3 credit hours** **3:0**  
**(Spring)**  
 Provides students with basic working knowledge of current fire protection systems including automatic sprinklers, fire detection systems including automatic sprinklers, fire detection systems, and standpipes. Emphasis on testing and maintenance of systems, and their use to assist fire suppression operations.
- 2223 Fire Code Enforcement**  
**3 credit hours** **3:0**  
**(Fall)**  
 Designed to prepare students for conducting code enforcement inspections. Review and application of model codes, philosophy of fire prevention, and community relations are addressed. Students will assist with actual code inspections and plan reviews. Exceeds the requirements for NFPA 1031, Fire Inspector I. Professional certification as a Fire Inspector I offered at conclusion of course.
- 2314 Fire Protection Strategy and Tactics**  
**4 credit hours** **4:0**  
**(Spring)**  
 Addresses development of strategy and tactics for residential, commercial and light industrial structural fire incidents. The focus is on development of strategy and tactics that maximize available fire suppression resources, protect the public, application of IMS, and ensure the safety of fire suppression personnel. Uses scenarios and case studies to apply theory. The course meets requirements of NFPA 1021, section 2.6.
- 2323 Hazardous Materials Operations**  
**3 credit hours** **3:0**  
**(Fall)**  
 Reviews current fire service hazardous materials operations. Focus is on management of hazardous materials response operations including determining type of product, risks associated with incident, development of operational plan, decon, and use of multi-agency resources. Pertinent local, state and federal regulations are reviewed. Uses scenarios and case studies to apply theory. The course meets requirements of NFPA 472, Chapter 5.

- 2331 Wildland Fire Operations**  
**1 credit hours** **1:0**  
 Provides an overview of wildland fire operations including wildland fire behavior, basic strategy and tactics, fire fighter safety, IMS, and state and federal wildland resources. Uses scenarios and case studies to apply theory. The course meets a portion of the requirements of NFPA 1051, Chapters 2 and 3.
- 2444 Leadership and Supervision**  
**4 credit hours** **4:0**  
 Examines the role of the company officer as a fire service leader and supervisor. Current management and supervisory methods and approaches are addressed. Focus is on use of leadership to positively influence the work group. Role-play is used to apply principles and methods. A research paper on a current leadership issue is required. Course exceeds requirements of NFPA 1021, sections 2.2 and 3.2. Professional certification as Fire Officer I offered at conclusion of course.

## **GEOGRAPHY (GEOG)**

- +2243 Elements of Human Geography**  
**(Fall/Spring)**  
**3 credit hours** **3:0**  
 Study leading to the understand of the world as the home of man; relationships of such factors as the earth as a globe; climate, land forms, water bodies, minerals, and cultural patterns of the world.
- +3603 World Regional Geography**  
**(Spring - odd years)**  
**3 credit hours** **3:0**  
 Delimitation and analysis of distinctive physical regions of the continents with emphasis on man's adaptivity to special restrictive environments.
- +3613 Geography of the United States**  
**(Spring--even years)**  
**3 credit hours** **3:0**  
 Analysis of the social, economic, political, and physical aspects of US geography.

## **HEALTH and PHYSICAL EDUCATION (HPE)**

- 1011 Beginning Swimming**  
**(Fall/Spring/Summer)**  
**1 credit hour** **0:2**  
 Basic water and safety skills to make an individual reasonably safe around the water.

<b>192</b>					
<b>1321</b>	<b>Gymnastics</b>	<b>1 credit hour</b>	<b>0:2</b>		
	Instruction and participation in tumbling and apparatus work of all types currently being used in schools.				
<b>2001</b>	<b>Fitness Activity</b> (Fall/January/Spring/May/Summer)	<b>1 credit hour</b>	<b>0:2</b>		
	Activity class to promote individual fitness and wellness. May be repeated.				
<b>2003</b>	<b>Introduction to Management and Instruction in Physical Activities</b> (Fall/Spring)	<b>3 credit hours</b>	<b>3:0</b>		
	Course introduces basic management and instructional planning for physical education activities.				
<b>2011</b>	<b>Individual Sports</b> (Fall/Spring)	<b>1 credit hour</b>	<b>0:2</b>		
	Instruction and practice in archery, badminton, table tennis, skiing, and racquetball.				
<b>2021</b>	<b>Golf</b> (Fall/Spring)	<b>1 credit hour</b>	<b>0:2</b>		
	For beginners.				
<b>2061</b>	<b>Social Dance</b> (Fall/Spring)	<b>1 credit hour</b>	<b>0:2</b>		
	Elementary course in different types of social dances.				
<b>2102</b>	<b>First Aid</b> (Fall/Spring/Summer)	<b>2 credit hours</b>	<b>2:0</b>		
	Standard first aid course.				
<b>2122</b>	<b>Care and Prevention of Athletic Injuries</b> (Fall/Spring/Summer)	<b>2 credit hours</b>	<b>2:0</b>		
	<i>Prerequisite: HPER majors and minors, HPER 2102, or consent of instructor.</i> Practical applications in taping, wrapping, and exercise to prevent and treat athletic injuries. Techniques used in the emergency procedures of athletic events will be examined.				
<b>2212</b>	<b>School and Community Health</b> (Spring)	<b>2 credit hours</b>	<b>2:0</b>		
	<i>Prerequisite: Junior standing.</i> Health as it relates to the school and community. Problems, methods, and materials. Three phases of school health education—service, instruction, and healthful school living.				
<b>2222</b>	<b>Personal Health and Drug Awareness</b> (Fall)	<b>2 credit hours</b>	<b>2:0</b>		
	Health principles and their applications to the individual, the community, and the schools. Emphasis on drug awareness.				
<b>2253</b>	<b>Foundations of Physical Education</b> (Spring)	<b>3 credit hours</b>	<b>3:0</b>		
	Introductory course to the field of health and physical education with study of the development and basic principles upon which the profession of physical education is founded.				
<b>2281</b>	<b>Tennis</b> (Fall/Spring)	<b>1 credit hour</b>	<b>0:2</b>		
	Instruction and practice for beginners.				
<b>2571</b>	<b>Bowling</b> (Fall/Spring)	<b>1 credit hour</b>	<b>0:2</b>		
	Fundamentals, rules, and techniques of bowling.				
<b>2681</b>	<b>International Dance</b>	<b>1 credit hour</b>	<b>0:2</b>		
	Selected dances of various national groups now in popular use. Square dance included.				
<b>2691</b>	<b>Intermediate Swimming</b> (Fall/Spring/Summer)	<b>1 credit hour</b>	<b>0:2</b>		
	<i>Prerequisite: Hper 1011 or permission of instructor.</i> Wide variety of swimming skills.				
<b>2791</b>	<b>Lifeguard Training</b> (Fall/Spring/Summer)	<b>1 credit hour</b>	<b>0:2</b>		
	<i>Prerequisite: Hper 2691 or permission of instructor.</i> Provides necessary minimum skills training for a person to qualify as a nonsurf lifeguard.				



- 3012 Fundamentals and Coaching of Football (Fall)**  
**2 credit hours 2:0**  
*Prerequisite: HPER majors and minors or consent of instructor.* Designed to provide students interested in coaching with experience which will allow them to develop an understanding of and basic fundamental skills unique to football. Additional emphasis is given to the study of coaching theories and techniques as well as strength training and conditioning.
- 3022 Fundamentals and Coaching of Basketball (Fall)**  
**2 credit hours 2:0**  
*Prerequisite: For HPER majors and minors or consent of instructor.* Designed to provide students interested in coaching with experience which will allow them to develop an understanding and basic fundamental skills unique to basketball. Additional emphasis is given to the study of coaching theories and techniques as well as strength training and conditioning.
- 3032 Fundamentals and Coaching of Baseball and Softball (Spring)**  
**2 credit hours 2:0**  
*Prerequisite: For PE majors and minors or consent of instructor.* Designed to provide students interested in coaching with experience which will allow them to develop an understanding and basic fundamental skills unique to baseball and softball. Additional emphasis is given to the study of coaching theories and techniques as well as strength training and conditioning.
- 3042 Officiating (Fall)**  
**2 credit hours 2:0**  
*Prerequisite: Junior standing.* Methods of training officials; rules and their interpretation.
- 3052 Fundamentals and Coaching of Track and Field (Spring)**  
**2 credit hours 2:0**
- 3123 Advanced Athletic Training**  
**3 credit hours 3:0**  
*Prerequisite: Hper 2122 and Biol 2104 and Biol 3205.* Evaluation, therapeutic exercise, and modality techniques used by athletic trainers will be studied. Emphasis will be given to rehabilitation techniques and various therapeutic treatments.
- 3162 Evaluations in Physical Education (Spring)**  
**2 credit hours 2:0**  
*Prerequisite: Hper 2122 and Junior standing.* Knowledge and principles in techniques of evaluation, measurement, and physical education.
- 3172 Adaptive and Therapeutic Physical Education (Fall)**  
**2 credit hours 2:0**  
*Prerequisite: Hper 2122 and Junior standing.* Principles and practices of physical education for the physically limited.
- 3262 Kinesiology (Fall)**  
**2 credit hours 2:0**  
*Prerequisite: Biol 3214 and Junior standing.* Scientific study of mechanical and anatomical fundamentals of human motion.
- 3273 Internship I (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: Junior standing.* Orientation to practical skills used in the management and implementation of physical fitness, wellness, and recreational programs. Hands on experiences with programs on and off campus.
- 3693 Physiology of Exercise (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Hper 3262 and Junior standing.* A study of the physiological principles as applied to muscular activity and the effects of muscular activity on the human organism.
- 4012 Skills and Techniques of Teaching Team Activities (Spring)**  
**2 credit hours 2:0**  
*Prerequisite: Hper 2003 and HPER majors and minors only.* Designed for the physical education major to develop personal skills and understandings in selected team activities found in the public school program. Emphasis on teaching skills.

194

**4022 Skills and Techniques of Teaching Individual and Dual Activities (Fall)**  
**2 credit hours 2:0**  
*Prerequisite: Hper 2003, HPER majors and minors only.* Designed for the physical education major to develop personal skills and understandings in selected individual and dual activities found in the public school program. Emphasis on the teaching of skills.

**4032 Methods and Materials of Teaching Physical Education in Elementary Schools**  
**2 credit hours 2:0**  
*Prerequisite: Must be admitted to Teacher Education Program.* Theory and practice of games of low organization, quiet and group games, story plays, and rhythmic activities for the elementary school. Practicum experiences involved.

**4033 WSI and Lifeguard Training Instructor**  
**3 credit hours 3:0**  
*Prerequisite: Current certification in Lifeguard Training.* Meets the American Red Cross standards for Water Safety Instructor as well as Lifeguard Training Instructor. Includes the prerequisite course of Instructor Candidate Training. Successful completion of this course will certify one to teach all Red Cross swimming courses as well as lifeguard training.

**4042 Methods and Materials of Teaching Physical Education in Secondary**  
**2 credit hours 2:0**  
*Prerequisite: Must be admitted to Teacher Education Program.* Theory and practice of techniques and procedures of teaching physical education in the secondary schools. Practicum experiences involved.

**4123 Organization and Administration of HPER (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: HPER 3172 and Junior standing.* Problems in physical education; classification of students; organization of programs; class schedules; equipment; records; finance; intramural; construction of gymnasiums, swimming pools, and play areas.

**4272 Practicum in Athletic Training III**  
**2 credit hours 2:0**  
*Prerequisite: Hper 2122, Hper 3123, and consent of Instructor.* Cumulative knowledge and skills will be practiced with the athletes in an athletic training setting. Concentration on rehabilitation skills will be made. Supervised by a certified athletic trainer.

**4273 Internship II (Spring)**  
**3 credit hours 3:0**  
*Prerequisite Hper 3273 and Hper 4123.* Cumulative knowledge and skills will be practiced with students, athletes, and fitness/recreation clients in all settings encompassing the domain of HPER.

**4822 Exercise and Fitness Prescription (Fall)**  
**2 credit hours 2:0**  
Assessing of individuals from all demographics and prescribing correct exercise based on individual needs and goals. Emphasis on specific training/exercise for people to achieve the maximum benefit.

## **DRIVER AND SAFETY EDUCATION (HPER)**

**4000 Problems in Driver Traffic Safety Education (Summer)**  
**1-3 credit hours 1-3:0**  
*Prerequisite: Senior standing and conflict in scheduling for a required course and consent of instructor.* Study of research in the area of conflict. May also be taken for Driver and Traffic Safety, Mobile Lab Simulator, or CPR.

**4823 Driver and Traffic Safety Education (Summer)**  
**3 credit hours 3:0**  
*Prerequisite: Valid driver's license and a good driving record.* Basic methods of teaching and the administration of high school driver and traffic safety education. Required for certification in driver education.

**4853 Methods and Materials in General Safety (Summer)**  
**3 credit hours 3:0**  
Principles and practices for reducing accidents in the home, on the farm, in industry, in recreation, in transportation, and at school. Motorcycle riding and safety. Required for certification in driver education.

**4923 Driver and Traffic Safety Education II (Summer)**  
**3 credit hours 3:0**  
*Prerequisite: Hper 4823.* Analysis of traffic accidents and causation, attitude factors, essential knowledge of automobile operation, traffic laws and regulations, and classroom instruction in teaching beginning drivers. Required for certification in driver education.

## HISTORY (HIST)

**+1003 America and the World (Offered as Needed)**  
**3 credit hours 3:0**  
 General history of the US including the ways it has affected and has been affected by world events.

**+1313 Early US History, 1492-1877 (Fall/Spring)**  
**3 credit hours 3:0**  
 Survey of American history to the end of Reconstruction with emphasis on forces that shaped modern America.

**+1323 Late US History, 1877-Present (Fall/Spring)**  
**3 credit hours 3:0**  
 Continuation of Hist 1313.

**+2213 Introduction to Early World History (Fall)**  
**3 credit hours 3:0**  
 Economic, cultural, political, and military aspects of European, Oriental, and African history to 1648.

**+2223 Introduction to Late World History (Fall)**  
**3 credit hours 3:0**  
 European, Oriental, and African development, including relations with each other from 1648 to the present.

**+2453 Oklahoma History (Fall)**  
**3 credit hours 3:0**  
 Exploration; settlement by Indians; opening to white settlers; organization of territorial government; statehood; development since statehood.

**+3223 American West Since 1850 (Fall--even years)**  
**3 credit hours 3:0**  
 Mining, ranching, farming frontiers; Indian wars; transportation; emergence of the modern West.

**+3363 Selected Topics in History (Offered as Needed)**  
**3 credit hours 3:0**  
*Prerequisite: Consent of instructor.* Topics are selected by the instructor and published in the schedule of classes. May be repeated for a maximum of nine hours of credit, provided that topics offered for credit vary.

**+3423 American Colonial History (Spring--odd years)**  
**3 credit hours 3:0**  
 History of the political, economic, cultural, and religious aspects of the colonies of North America.

**+3433 Jacksonian Era to the Civil War (Fall--even years)**  
**3 credit hours 3:0**  
 Political and cultural history from 1824 to 1860; the rise and dominance of Jackson and the Jacksonian period; Mexican War; sectional conflicts; background to the Civil War; anti-bellum culture.

**+3473 Recent American History, 1877-1919 (Fall--odd years)**  
**3 credit hours 3:0**  
 Survey of the rise of the industrialism, politics, agrarian revolt; rise of the US as a world power; progressivism; World War I.

**+3483 American History, 1919-1945 (Spring--odd years)**  
**3 credit hours 3:0**  
 American history of the early 20th century; progressivism; the roaring '20's; Great Depression; World War II.

**+3493 Contemporary American History, 1945-Present (Spring - even years)**  
**3 credit hours 3:0**  
 Cold War; Eisenhower years; Kennedy and LBJ; Viet Nam; Nixon; Reagan/Bush era including terrorism and changes in balance of power.

**196**

- +3823 Greek History (Fall #1)**  
**3 credit hours 3:0**  
 Contributions of Greeks to modern times; their society and government.
- +3833 Roman History (Fall #2)**  
**3 credit hours 3:0**  
 Roman contributions to civilization, law, and literature.
- +3933 Medieval Europe (Fall #3)**  
**3 credit hours 3:0**  
 European civilization from the decline of the Roman Empire to the discovery of the New World; development of European nations; power of the Roman Catholic Church; feudalism.
- +4000 Problems in History (Offered as Needed)**  
**1-3 credit hours 1-3:0**  
 Problems and/or independent study course in history. May be repeated with different topics/readings.
- +4043 The Era of the American Revolution (Spring - even years)**  
**3 credit hours 3:0**  
 Study of British Imperial problems; immediate causes of war; events of the struggle; social and governmental adjustments.
- +4063 American Federal Period (Fall - odd years)**  
**3 credit hours 3:0**  
 Background to the Constitution; organization of the government; territorial and economic expansion; nationalism; social and cultural development of the new republic.
- +4123 Civil War and Reconstruction (Fall - even years)**  
**3 credit hours 3:0**  
 Slavery and pre-war sectionalism; origins and trials of Civil War; post-war road to reunion.
- +4623 Renaissance and Reformation, 1453-1648 (Offered as Needed)**  
**3 credit hours 3:0**  
 Broad survey of national, cultural, and intellectual developments; detailed analysis of the Protestant Reformation.

- +4643 Absolutionism and Enlightenment, 1648-1789 (Spring #1)**  
**3 credit hours 3:0**  
 Study of society, economics, and politics in the age of Louis XIV and the enlightened despots; intellectual revolution in the 17th and 18th centuries.
- +4653 Modern Europe, 1789-1918 (Spring #2)**  
**3 credit hours 3:0**  
 Continuation of Hist 4643. Causes of World War I, nationalism, imperialism, militarism, recent alliances.
- +4683 Europe Since 1918 (Spring #3)**  
**3 credit hours 3:0**  
*Prerequisite: six hours of European history.* Treaties resulting from World War I, general economic and political postwar conditions, World War II, post-World War II problems.
- +4910 Readings in History (Offered as Needed)**  
**1-3 credit hours 1-3:0**  
*Prerequisite: Nine hours of history and consent of instructor.* Readings in selected areas or topics of history. May be repeated with different topics/readings.
- 4942 Teacher's Course in Secondary Social Studies (Fall)**  
**2 credit hours 2:0**  
*Prerequisite: Admittance to the Teacher Education Program.* Problems and methods in teaching social studies.

**HUMANITIES (HUM)**

- +1000 Special Topics**  
**1-3 credit hours 1-3:0**  
 Course provides information on a wide variety of humanities topics such as history, film, music, culture, art, etc. and suffices general education humanities credit. Delivery of testing on material will focus on alternative methods, especially oral and visual methods. May be repeated with variable content for a maximum total of three hours; for students taking at least eight hours of remediation coursework, specifically developmental English and developmental reading courses.

- +1533 Art Appreciation**  
(Summer/Interterms/Fall//Spring)  
**3 credit hours 3:0**  
Comprehensive view of the visual arts from prehistoric times the present. Introduces the student to the history of art and provides a general cultural background.
- +2032 Contemporary World Religions**  
**2 credit hours 2:0**  
Study of some of the major religions of the world with emphasis on their origin, history, and teachings.
- +2113 General Humanities I**  
(Fall/Spring)  
**3 credit hours 3:0**  
An interdisciplinary study of the major artistic, intellectual, and literary accomplishments of Western civilization dating from antiquity to the beginnings of the Renaissance.
- +2223 General Humanities II**  
**3 credit hours 3:0**  
An interdisciplinary study of the major artistic, intellectual, and literary accomplishments of Western civilization from the Renaissance to the present.
- +2333 Philosophy of Life**  
(Fall/Spring)  
**3 credit hours 3:0**  
Survey of the principal philosophers and philosophical systems which have shaped modern values and ideas.
- +2413 Critical Approaches to Literature**  
(Fall/Spring)  
**3 credit hours 3:0**  
*Prerequisite: Engl 1213.* Foundation course for the study of literature. Readings/viewings from various literary genres, such as the short story, poetry, novel, drama, and film.
- +2423 Introduction to Theatre**  
(Fall)  
**3 credit hours 3:0**  
Introduces students to various aspects of theater including history, acting, criticism, playwrights, and technical theater. Introduction to new trends in theater designed to give students a better knowledge and appreciation of theater. Creative dramatics and children's theater will aid those students interested in educational theater.
- +2563 Music in Life**  
(Fall/Spring)  
**3 credit hours 3:0**  
Practical course in music adapted to the college student who wishes to obtain a better understanding of music as an element in culture and who wishes to learn to listen to music more intelligently.
- 2573 History of Popular Music**  
**3 credit hours 3:0**  
Survey course designed to explore the trends and styles of popular music from the late 19<sup>th</sup> century to the present. Discussions will include trends in jazz, rock, country, and pop music.
- +3100 Experiences in the Humanities**  
(Fall/Spring/ some Summers)  
**1-4 credit hours 1-4:0**  
Tours designed to make available first-hand experiences in several aspects of the humanities, including as many as possible from the following list: music, drama, opera, dance, painting, sculpture, crafts, literature, architecture, and/or culture of the Southwest/five-state area. May be repeated for up to four hours credit with various topics.
- +4000 Problems in Humanities**  
**1-3 credit hours 1-3:0**  
Problems and/or independent study course in humanities. May be repeated with varying content.
- +4032 Contemporary Ethical Problems**  
**2 credit hours 2:0**  
Study of ethical problems.
- +4042 Philosophy of Religion**  
**2 credit hours 2:0**  
Religious experience of mankind with special emphasis on Western thought and Christian tradition.
- INDUSTRIAL TECHNOLOGY**  
**(INDT)**
- 3781 Art Leatherwork**  
**1 credit hour 0:2**  
Selection of projects, designs, and development of tooling and carving techniques of craft projects made of leather.
- 3911 Plastic**  
**1 credit hour 0:2**  
*Prerequisite: Indt 2013 or consent of the instructor.* Plastic; plastic carving; project selection and design; molding and forming plastics.

**198****DRAFTING**

**1012 Drafting Technology**  
(Fall/Spring)  
**2 credit hours** **0:4**  
Fundamentals of drawing and drafting room practices, procedures and techniques, including sketching and geometric solutions, and including projection, auxiliaries, pictorial representation, and sections.

**1032 Engineering Drafting**  
(Fall)  
**2 credit hours** **0:4**  
*Prerequisite: Indt 1012.* Advanced study of the fundamentals of drafting including working drawings, intersection, development, rotations, perspective, pipe, electrical, structural steel, gear and cam, and civil engineering drawing.

**2113 Introduction to Computer Aided Drafting**  
(Fall/Spring)  
**3 credit hours** **3:0**  
*Prerequisite: Indt 1012 or consent of instructor.* Basic course in CAD which includes software (AutoCAD) installation, hard disk management, configuring the CAD system, and basic orthographic drawings.

**2233 Fundamentals of Robotics**  
(Spring - even years)  
**3 credit hours** **3:0**  
*Prerequisite: Indt 2113 or consent of instructor.* Basic course in robotics. Study of the robot's mechanical components, power systems, sensors, programming, and interfacing. Safety and robotics application to flexible manufacturing systems.

**3123 Advanced Computer Aided Drafting**  
(Fall)  
**3 credit hours** **3:0**  
*Prerequisite: Indt 2113 or consent of instructor.* Continuation of introduction to CAD with emphasis on evaluation of machine drawings, architectural drawings, and pictorial drawings as to their CAD possibilities. Customizing CAD menus will be taught.

**3423 Machine Drawing and Design**  
(Spring--odd years)  
**3 credit hours** **1:4**  
*Prerequisite: Indt 1032 or consent of instructor.* Methods of designing and drawing machines and machine parts. Designing and application of linkage, cams, gears, screws, springs, keys, fasteners, and threads. Use of symbols in drawings and parts lists. Conventional and CAD drafting techniques.

**3923 Architectural Drafting**  
(Spring--odd years)  
**3 credit hours** **1:4**  
*Prerequisite: Indt 1012.* Study of home architecture requiring drawing of a floor plan, plot, mechanical, electrical, detail, and elevation plan of drawings of a home. Each room (living, kitchen, dining, family, bedrooms, bath, utility, garage), roof, foundation, and wall detail as a model of the home. Conventional and CAD drafting techniques.

**4022 Engineering Design Concepts**  
(Spring--even years)  
**2 credit hours** **1:2**  
*Prerequisite: Indt 1032 or consent of instructor.* Theory and application of the design process in aerospace design, structural design, mechanical design, and hydraulic design. A model will be designed, constructed and tested for each design area.

**4242 Programming Computer Aided Drafting**  
**2 credit hours** **1:2**  
*Prerequisite: Indt 2113 or consent of instructor.* Basics of AutoLISP. AutoLISP will give an AutoCAD operator the ability to write customized programs to control virtually every aspect of a drawing and its database.

**ELECTRICITY-ELECTRONICS**

**1103 Applied Electricity I**  
(Fall)  
**3 credit hour** **1:4**  
Elementary electricity, wiring, switching, lighting, and electrical power for appliances adapted to the domestic structure.

**POWER AND TRANSPORTATION**

**3643 Power Mechanics I**  
(Fall/Spring)  
**3 credit hours** **1:4**  
Basic course in mechanics and physics of the automobile. Principles and fundamentals of the gasoline engine, electrical system, ignition, hydraulics, fuels, lubrications, as applied to the automobile. Introduction to the practical use of tools and equipment made in the laboratory.

**3653 Power Mechanics II**  
(Spring - odd years)  
**3 credit hours** **1:4**  
*Prerequisite: Indt 3643.* Basic principles of automotive mechanics. Advanced study in rebuilding procedures for automotive engines, drive train, and transmissions.

**MANUFACTURING AND CONSTRUCTION-  
METALS**

- 1222 General Metals Processing (Fall)**  
**2 credit hours 1:2**  
Fundamental processes on standard machines such as turning, boring, shaping, milling, and cutting threads.
- 1432 Oxy-Acetylene Welding (Fall)**  
**2 credit hours 1:2**  
Principles and practices of welding with practical application.
- 2223 Introduction to Computer Numerical Control Machinery (Spring--even years)**  
**3 credit hours 3:0**  
*Prerequisite: Indt 1222 or consent of instructor.* Basic course in computer numerical control machinery; study of the concepts and programming of computer numerical control machinery.
- 3322 Arc Welding (Spring)**  
**2 credit hours 1:2**  
*Prerequisite: Indt 1432 or consent of instructor.* Principles of welding with practical application.
- 3413 Foundry and Forge Manufacturing Processes (Fall--odd years)**  
**3 credit hours 1:4**  
*Prerequisite: four credit hours of metals.* Foundry and forging fundamentals. Basic principles and techniques in producing manufactured products by foundry and forging methods. Making simple patterns, molds and cores, working with sand, environment, and casting with low temperature metals. The study of elementary forge practice and heat treatment of metals.
- 4032 Machine Tool Practice (Spring--even years)**  
**2 credit hours 0:4**  
*Prerequisite: Indt 1222.* Emphasis on more advanced operations, particularly those performed on the milling machine and other special equipment.

- 4623 Welding Processes and Metallurgy (Fall--even years)**  
**3 credit hours 1:4**  
*Prerequisite: Indt 1432 and Indt 3322.* Practice in both arc and acetylene welding to develop skills after fundamentals have been learned, with emphasis on Mig and Tig welding. Includes welding aluminum and stainless steel.

**PROFESSIONAL**

- 2100 Selected Topics in Technology**  
**1-5 credit hours 1-5:0**  
*Prerequisite: Sophomore standing and/or consent of instructor.* Current problems or selected topics in technology. May be repeated for credit.
- 4021 Industrial Technology Organization and Management (Fall/Spring)**  
**1 credit hour 1:0**  
Organization and management of industrial technology. May be repeated for credit.
- 4100 Selected Topics in Industrial Technology**  
**1-3 credit hour 1-3:0**  
*Prerequisite: Senior standing and/or consent of instructor.* Current problems or selected topics in industrial technology. May be repeated for credit.
- 4513 Care and Installation of Industrial Equipment (Spring)**  
**3 credit hours 1:4**  
*Prerequisite: Indt 2013.* Care of tools and machinery used in industrial technology.

**MANUFACTURING AND CONSTRUCTION - WOOD**

- 1013 Woodworking Fundamentals (Fall)**  
**3 credit hours 1:4**  
Fundamental operations of hand tools and common tools and their uses; common woods and methods of finish; screw and glue construction.
- 2013 Machine Wood Technology (Spring)**  
**3 credit hours 1:4**  
*Prerequisite: Indt 1013.* Power machinery in the construction of furniture.

200

**3022 Wood Turning**  
 (Spring--odd years)  
**2 credit hours** **0:4**  
*Prerequisite: Indt 2013.* Principles of cylinder turning; chuck and faceplate problems.

**3433 Advanced Wood Turning**  
**3 credit hours** **0:6**  
*Prerequisite: Indt 3022.* More complex problems such as nut bowls, lamps, etc.

**3633 Furniture and Cabinet Construction**  
 (Fall)  
**3 credit hours** **0:6**  
*Prerequisite: Indt 2013 and/or consent of instructor.* Making of more complex pieces of furniture such as china cabinet, dresser, etc.

**4122 Building and Construction Techniques**  
 (Spring--odd years)  
**2 credit hours** **1:2**  
 Elements of frame building construction; methods and practice in cutting rafters as used in residential construction.

**4213 Finishing and Surface Treatment**  
 (Spring--even years)  
**3 credit hours** **1:2**  
*Prerequisite: Six hours of woodwork.* Cabinet woods and types of finishing.

**4833 Industrial Woodworking Processes**  
 (Spring)  
**3 credit hours** **0:6**  
 Continuation of Indt 3633.

**JOURNALISM (JB)**

**1011 Journalism Practicum**  
 (Fall/Spring) **0:2**  
 Experience in news writing, layout, and composition as related to publication of the student newspaper. May be repeated up to three times.

**2003 Newswriting Practicum**  
 (Fall/Spring) **3:0**  
 Internship.

**3003 Newswriting Practicum**  
 (Fall/Spring) **3:0**  
 Internship.

**4003 Newswriting Practicum**  
 (Fall/Spring) **3:0**  
 Internship.

**MANAGEMENT (MGMT)**

See Business Management.

**MARKETING (MKTG)**

See Business Marketing.

**MATHEMATICS (MATH)**

**\*Course numbers that begin with 0 within Mathematics are given the prefix DEVM**

**\*0023 Pre-Algebra**  
 (Fall/Spring/ Summer as Needed)  
**3 credit hours** **3:0**  
 A rigorous review of number systems and the addition, subtraction, multiplication, and division of numbers including fractions and decimals; an introduction to variables, basic algebraic expressions, and the solution of simple linear equations in one variable. Required for students who are academically unprepared for college level mathematics. Course will not fulfill any graduation requirements. Grade of *C* is minimum for passing.

**\*0123 Intermediate Algebra**  
 (Fall/Spring/Summer)  
**3 credit hours** **3:0**  
 Number systems, exponents, polynomials, factoring, linear equations, inequalities, rational expressions, radicals, graphing, functions, and quadratic equations. Required for students who are academically unprepared for college level mathematics. Course will not fulfill any graduation requirements. Grade of *C* is minimum for passing.

**+1473 Mathematics for Critical Thinking**  
 (Fall/Spring/Summer as needed)  
**3 credit hours** **3:0**  
*Prerequisite: Minimum ACT Mathematics subscore of 19 or equivalent or DEVM 0123.* General education mathematics course for majors not requiring Math 1513: College Algebra. Basic concepts and applications from the following topics: logic, sets, probability, statistics, finance, and geometry.

**+1513 College Algebra**  
 (Fall/Spring/Summer)  
**3 credit hours** **3:0**  
*Prerequisite: Minimum ACT Mathematics subscore of 19 or equivalent or DEVM 0123.* Equations, functions, graphing, inequalities, absolute value, solving linear systems, matrix methods, theory of equations, exponential and logarithmic functions.



- +1613 Plane Trigonometry (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Math 1513 and co-requisite: Math 1813.* Properties of triangles and trigonometric functions and their applications. Topics include trigonometric functions, identities, graphs, inverses, and laws.
- +1713 Basic Geometry (Fall)**  
**3 credit hours 3:0**  
*Corequisite: Math 1513.* A thorough review of lines, angles, triangles, polygons, and circles, geometric theorems and proofs, measurements of two-dimensional geometrical shapes including perimeter and area, three-dimensional geometrical solids, conic sections, and measurements of three-dimensional solids including surface area and volume.
- +1715 College Algebra and Trigonometry (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: Minimum ACT Mathematics subscore of 19 or equivalent or DEVM 0123.* A combined course of Math 1513 and Math 1613. Topics include equations and inequalities; graphing; polynomial, rational, exponential and logarithmic functions; trigonometric functions of angles and real numbers; and analytic trigonometry.
- +1813 Analytic Geometry (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Math 1513 and co-requisite Math 1613.* Geometric properties by means of algebraic operations. Topics include fundamental concepts, linear equations, circles, conic sections, translation, and rotation of axes, polar coordinates, lines, and planes in space.
- +1824 Calculus I (Spring)**  
**4 credit hours 4:0**  
*Prerequisite: Math 1513 and Math 1613 or Math 1715.* All prerequisite work must be a C or better. Extends elementary mathematics to a more general setting using the limiting process. Includes geometric, algebraic, and trigonometric topics. Review of algebra and functions and the presentation of the limiting process, differentiation, and integration.
- +2213 Structural Concepts/Primary Level (Fall, Summers-even years)**  
**3 credit hours 3:0**  
*Prerequisite: Math 1513 or 1473, admission into the Teacher Education Program, or consent of instructor.* Mathematics for grades K through 4 including teaching strategies. Topics include problem solving, estimation, numeration, whole number operations, computation, measurement, geometry, fractions, and decimals.
- +2223 Structural Concepts/Intermediate Level (Spring/Summers--odd years)**  
**3 credit hours 3:0**  
*Prerequisite: Math 2213.* Continuation of Math 2213: Structure of number systems, informal geometry, probability, and statistics. For elementary teachers.
- +2424 Calculus II (Fall)**  
**4 credit hours 4:0**  
*Prerequisite: Math 1824 with grade of "C" or better or consent of instructor.* Continuation in the study of calculus. Topics include applications of integration, analysis of logarithmic and exponential functions, analysis of inverse trigonometric and hyperbolic functions, techniques of integration, improper integrals, L'Hopital's rule, and infinite series.
- +2434 Calculus III (Spring)**  
**4 credit hours 4:0**  
*Prerequisite: Math 2424 with a grade of "C" or better or consent of instructor.* Further study of calculus, including vectors, three-dimensional space, vector-valued functions, partial derivatives, multiple integration, and vector calculus.

202

**+3333 Linear Algebra  
(Fall as needed)**

**3 credit hours 3:0**  
*Prerequisite/Corequisite: Math 2424 with a grade of "C" or better or consent of instructor.* Study of the generalization of the properties of straight lines. Topics include linear equations, matrices, determinants, vectors, vector spaces, linear transformations, eigenvalues, and eigenvectors.

**+3443 Discrete Mathematics  
(Spring as needed)**

**3 credit hours 3:0**  
*Prerequisite: Math 2424 with a grade of "C" or better or consent of instructor.* Relations between set theoretic operations and computer operations, applications of graph theory, graphical algorithms, discrete algebraic structures.

**+3513 Foundations of Mathematics  
(Fall)**

**3 credit hours 3:0**  
*Prerequisite: Math 1824 with a grade of "C" or better or consent of instructor.* Introduction to advanced mathematics. Topics include logic, set theory, methods of proof, relations, functions, operations, and construction of the natural, integer, rational, and real numbers.

**+3663 Topology  
(Spring as needed)**

**3 credit hours 3:0**  
*Prerequisite: Math 3513 with a grade of "C" or better or consent of instructor.* Study of generalized sets and functions. Topics include set theory, logic, topological spaces, closed sets, limit points, connected spaces, compact spaces, countability axioms, separation axioms and the theorems of Urysohn, Tietze, Tychonoff, Stone-Cech and Nagata Smirnov. Recommended for anyone taking Math 4123 or Math 4453.

**+3713 College Geometry**

**3 credit hours 3:0**  
*Prerequisites: Math 3513 with a C or better or consent of instructor.* A development of the essentials of Euclidean geometry and an introduction to non-Euclidean geometry. Topics include the foundations of Euclidean geometry (points, lines, angles, triangles, quadrilaterals, circles), parallelism in Euclidean geometry, transformations and isometries, and parallelism in non-Euclidean geometry (with a focus on hyperbolic geometry).

**+4000 Problems in Mathematics  
(Offered as Needed)**

**1-3 credit hours 1-3:0**  
*Prerequisite: Consent of instructor.* Problems and/or independent study course in mathematics.

**+4073 Numerical Analysis  
(Fall)**

**3 credit hours 3:0**  
*Prerequisite: Math 2424, Math 3333, and CIS 3613.* Solution of nonlinear equations, interpolation of polynomials, numerical differentiation and integration, numerical solution of ordinary differential equations.

**+4123 Complex Variables  
(Spring - as needed)**

**3 credit hours 3:0**  
*Prerequisite: Math 3513 and Math 2434 with a grade of C or better or consent of instructor.* A review of complex number systems and operations with complex numbers, and a thorough introduction to complex variables, complex functions, limits and continuity of complex functions, differentiation and integration of complex functions, complex sequences and series, differential equations in the complex plane, residue calculus, and the geometry of complex functions.

**4222 Teaching of Mathematics  
(Fall)**

**2 credit hours 2:0**  
*Prerequisite: Admission to the Teacher Education Program or consent of instructor.* Provides familiarization with the goals and techniques of teaching mathematics, current research on mathematics education, and materials associated with teaching mathematics at the secondary level. This course is designed to be taken the semester before student teaching.

**+4323 Modern Algebra**  
**(Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Math 3513 with a grade of C or better or consent of instructor.* Introduction to the basic ideas of abstract algebra including equivalence, congruence, groups, isomorphisms, rings, integral domains, and fields.

**+4413 Ordinary Differential Equations**  
**(Fall--as needed)**  
**3 credit hours** **3:0**  
*Prerequisite: Math 2434 with a grade of C or better or consent of instructor.* Ordinary differential equations of the first and second order with applications to geometry and physics.

**+4423 Partial Differential Equations**  
**(Spring--as needed)**  
**3 credit hours** **3:0**  
*Prerequisite: Math 4413 with a grade of C or better, or consent of instructor.* Classification of partial differential equations, boundary value problems, initial value problems, eigenvalue problems, and solution methods, formulation of difference equations and numerical techniques.

**+4453 Introduction to Real Analysis**  
**(Fall--as needed)**  
**3 credit hours** **3:0**  
*Prerequisite: Math 3513 with a grade of C or better, or consent of instructor.* Introduction to theoretical calculus, real numbers, topology of Cartesian spaces, convergence, continuity, differentiation, and integration.

**+4763 Probability and Statistics**  
**(Fall--as needed)**  
**3 credit hours** **3:0**  
*Prerequisite/Corequisite: Math 2434 with a grade of C or better or consent of instructor.* Introduction to statistical analysis including populations, samples, descriptive statistics, regression, correlation, probability, discrete and continuous distributions, sampling methods, estimation, hypothesis testing, and analysis of variance.

## MEDICAL TECHNOLOGY (MEDT)

**+4117 Clinical Microbiology**  
**7 credit hours** **7:0**  
 Theory and laboratory study of pathogenic bacteria, viruses, rickettsiae, fungi, and parasites. Includes isolation, identification, antimicrobial susceptibility testing, and medical significance.

**+4125 Clinical Chemistry I**  
**5 credit hours** **5:0**  
 Theory and laboratory methodology of analytical biochemistry, clinical microscopy, routine and special procedures, and medical significance.

**+4236 Clinical Hematology**  
**6 credit hours** **6:0**  
 Systematized study of disease and abnormal derivations, maturation and function, principles of hemostasis; methodology used in routine and special hematology studies; and correlation of hematological findings with physiological conditions.

**+4246 Clinical Immunology**  
**6 credit hours** **6:0**  
 Theory of immunologic responses and procedures used in serological determinations; study of immunohematology, fundamentals of antigen-antibody reactions; blood groups and types, compatibility testing, blood components, and lab methods used as related to the medical significance of immunology and infectious diseases.

**+4325 Clinical Chemistry II**  
**5 credit hours** **5:0**  
 Theory and laboratory methodology of analytical biochemistry, instrumentation, lab mathematics, routine, and special procedures and medical significance.

**+4351 Topics in Medical Technology**  
**1 credit hour** **1:0**  
 Principles and practices of the medical laboratory including basic management, special education methodology, and special projects in selected areas.

## MUSIC - PRIVATE LESSONS (MUPI)

**1000 Applied Music for Non-Majors**  
**1-3 credit hours** **1-3:0**  
 Private applied instruction in keyboard, voice strings, woodwind, brass, or percussion instruments.

**1010 Strings: Lower Division**  
**1-4 credit hours** **1-4:0**  
 First through fourth semesters of private instruction in orchestral string instruments.

**1110 Voice: Lower Division**  
**1-4 credit hours** **1-4:0**  
 First through fourth semesters of private instruction in voice.

<b>204</b>			
<b>1210</b>	<b>Keyboard: Lower Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	Fifth through eighth semesters of private instruction in percussion instruments.
	First through fourth semesters of private instruction in keyboard.		
<b>1310</b>	<b>Brass: Lower Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	First through fourth semesters of private instruction in brass instruments.		
<b>1410</b>	<b>Woodwind: Lower Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	First through fourth semesters of private instruction in woodwind instruments.		
<b>1510</b>	<b>Percussion: Lower Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	First through fourth semester of private instruction in percussion instruments.		
<b>1610</b>	<b>Guitar: Lower Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	First through fourth semesters of private instruction in guitar.		
<b>3050</b>	<b>Strings: Upper Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	<i>Prerequisite:</i> Fifth through eighth semesters of private instruction in stringed instruments.		
<b>3150</b>	<b>Voice: Upper Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	<i>Prerequisite:</i> Junior standing in the music program. Fifth through eighth semesters of private instruction in voice.		
<b>3250</b>	<b>Keyboard: Upper Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	<i>Prerequisite:</i> Junior standing in the music program. Fifth through eighth semesters of private instruction in keyboard.		
<b>3350</b>	<b>Brass: Upper Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	<i>Prerequisite:</i> Junior standing in the music program. Fifth through eighth semesters of private instruction in brass instruments.		
<b>3450</b>	<b>Woodwind: Upper Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	<i>Prerequisite:</i> Junior standing in the Music Program. Fifth through eighth semesters of private instruction in woodwind instruments.		
<b>3510</b>	<b>Percussion: Upper Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	<i>Prerequisite:</i> Junior standing in the music program.		
<b>3650</b>	<b>Guitar: Upper Division</b> <b>1-4 credit hours</b>	<b>1-4:0</b>	
	<i>Prerequisite:</i> Junior standing in the music program. Fifth through eighth semesters of private instruction in guitar.		
<b>3991</b>	<b>Junior Recital</b> <b>1 credit hour</b>	<b>1:0</b>	
	<i>Prerequisite:</i> Junior standing in the music program with five successful semesters of applied study. Preparation and performance of a recital program. Length of recital to be approximately 40 minutes (determined in conjunction with applied teacher). Repertoire and memorization requirements determined by the applied teacher.		
<b>4991</b>	<b>Senior Recital</b> <b>1 credit hour</b>	<b>1:0</b>	
	<i>Prerequisite:</i> Senior standing in the music program with seven successful semesters of applied study. Preparation and performance of a recital program. Length of recital to be approximately 60 minutes (determined in conjunction with applied teacher). Repertoire and memorization requirements determined by the applied teacher.		
	<b>APPLIED MUSIC (MUAP)</b>		
<b>1011</b>	<b>Elementary Guitar Class</b> <b>1 credit hour</b>	<b>1:0</b>	Class instruction in guitar for beginners.
<b>1021</b>	<b>Intermediate Guitar Class</b> <b>1 credit hour</b>	<b>1:0</b>	<i>Prerequisite:</i> MUAP 1011 or consent of instructor. Continuation of MUAP 1011.
<b>1031</b>	<b>Advanced Guitar Class</b> <b>1 credit hour</b>	<b>1:0</b>	<i>Prerequisite:</i> MUAP 1021 or consent of instructor. Continuation of MUAP 1021.
<b>1111</b>	<b>Elementary Keyboard Class</b> <b>1 credit hour</b>	<b>1:0</b>	Class instruction in keyboard for beginners
<b>1121</b>	<b>Intermediate Keyboard Class</b> <b>1 credit hour</b>	<b>1:0</b>	<i>Prerequisite:</i> MUAP 1111 or consent of instructor. Continuation of MUAP 1111.
<b>1131</b>	<b>Advanced Keyboard Class</b> <b>1 credit hour</b>	<b>1:0</b>	<i>Prerequisite:</i> MUAP 1121 or consent of instructor. Continuation of MUAP 1121.

**PERFORMING ENSEMBLES (MUPE)**

- 1111 Marching Band (Fall/Spring)** **1 credit hour** **1:0**  
*Corequisite: MUPE 1211.* Marching band performs at all home football games and various parades throughout the fall semester. The marching band performs at various home basketball games during the spring semester. Membership is open to all students, but performance privileges are earned through audition and chair tests throughout the semester.
- 1211 Concert Band (Fall/Spring)** **1 credit hour** **1:0**  
 The concert band explores music for symphonic and wind ensembles. Membership is open to all students, but performance privileges are earned through audition and chair tests throughout the semester.
- 1311 Jazz Band (Fall/Spring)** **1 credit hour** **1:0**  
 Jazz band explores jazz, swing, funk, rock, and pop musical genres for the stage band. Enrollment may be limited based on instrumentation. Provides accompaniment for musical theater productions and other campus events.
- 1411 Concert Choir (Fall/Spring)** **1 credit hour** **1:0**  
 The concert choir performs choral works, both accompanied and *a cappella*, from various musical styles. Membership is open to all students.
- 2111 Mariachi Band** **1 credit hour** **1:0**  
 A music ensemble dedicated to the study and performance of mariachi music as well as music from other Hispanic cultures. Ensemble performs throughout the year at various functions on campus and in the community. Enrollment is open to all students as well as the community at large. Three semesters of Mariachi at OPSU can be substituted to fulfill the ethnomusicology course requirement for music majors.
- 2111 Woodwind Ensemble** **1 credit hour** **1:0**  
 Performance of literature designed specifically for woodwind instruments in various combinations.
- 2211 Brass Ensemble** **1 credit hour** **1:0**  
 Performance of literature designed specifically for brass instruments in various combinations.
- 2311 Percussion Ensemble** **1 credit hour** **1:0**  
 Performance of literature designed specifically for percussion instruments in various combinations.
- 2411 String Ensemble** **1 credit hour** **1:0**  
 Performance of literature designed specifically for orchestral stringed instruments in various combinations.
- 2711 Musical Theater Production** **1 credit hour** **1:0**  
 Preparation and performance of a musical theater production. Enrollment open to all students. Roles assigned by audition. Non-actors will be assigned to various tasks in set design and construction.
- 3111 Chamber Singers** **1 credit hour** **1:0**  
*Corequisite: MUPE 1411.* Membership by audition only. Chamber Singers explores advanced music for small choral ensembles from various styles and periods.
- 4001 Choral Ensemble** **1 credit hour** **1:0**  
 Ensemble course to meet the needs of advanced students in choral ensemble work. Enrollment by audition.
- 4101 Instrumental Ensemble** **1 credit hour** **1:0**  
 Ensemble course to meet the needs of advanced students in instrumental ensemble work. Enrollment by audition.

**THEORY AND HISTORY (MUSI)**

- +1513 Music Fundamentals (Summers)**  
**3 credit hours 3:0**  
 Introductory course in the materials and methods of music: note and rest duration and symbology, staff function, clef function (treble, bass, alto, and tenor), major and minor scale construction and nomenclature, key signatures, interval qualities, and triadic chord construction.
- +1521 Theory of Music I (Lab)**  
**1 credit hour 0:2**  
*Prerequisite: MUSI 1513 or placement examination. Corequisite: Enrollment in MUSI 1523.* Sight-singing, ear-training, and keyboard laboratory component for MUSI 1523.
- +1523 Theory of Music I (Fall)**  
**3 credit hours 3:0**  
 Required course for music majors. Open to non-music majors. A study of the basic materials of music through music analysis, composition, and associated skills. Taken concurrently with Theory of Music I (Aural).
- +1531 Theory of Music II (Lab)**  
**1 credit hours 0:2**  
*Prerequisite: MUSI 1521 and MUSI 1523 or placement examination. Corequisite: Enrollment in MUSI 1533.* Sight-singing, ear training, and keyboard laboratory component for MUSI 1533.
- +1533 Theory of Music II (Spring)**  
**3 credit hours 3:0**  
 Required course for music majors. Open to non-music majors. A continuation of the concepts established in Theory of Music I, covering traditional diatonic practice with an expansion of harmonic vocabulary. Taken concurrently with Theory of Music II (Aural).
- +2312 Music Literature (Fall--even years)**  
**3 credit hours 3:0**  
 An introduction to Western music literature from antiquity through 20th century.
- +2322 History and Literature of Music II - Baroque and Classical (Spring--odd years)**  
**3 credit hours 3:0**  
*Prerequisite: Musi 2312.* Historical survey of Western music literature and stylistic developments from 1600-1800.
- 2541 Theory of Music III (Lab)**  
**1 credit hour 0:2**  
*Prerequisite: MUSI 1531 and MUSI 1533 or placement examination. Corequisite: Enrollment in MUSI 2543.* Sight-singing, ear-training, and keyboard laboratory component for MUSI 2543.
- +2413 Ethnomusicology (Fall-even years)**  
**3 credit hours 3:0**  
 Survey course in the musical traditions and styles of other cultures. Each course will focus on a specific culture. Course may be repeated two times as subject matter varies. May fulfill General Education electives for humanities or liberal arts and sciences.
- +2543 Theory of Music III (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: MUSI 1531 and MUSI 1533 or placement examination. Corequisite: Enrollment in MUSI 2541.* Continuation of MUSI 1533. Analysis of representative works from the 19th century through the Impressionists.
- 2551 Theory of Music IV (Lab)**  
**3 credit hours 3:0**  
*Prerequisite: MUSI 2541 and MUSI 2543 or placement examination. Co-requisite: Enrollment in MUSI 2553.* Sight-singing, ear-training, and keyboard laboratory component for MUSI 2553.

- +2553 Theory of Music IV (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: MUSI 2541 and MUSI 2543 or placement examination. Corequisite: Enrollment in MUSI 2551.* Continuation of MUSI 2543. Advanced theoretical concepts of late 19th century and 20th century compositional practice including polytonality, atonality, twelve-tone, and serialistic practice.
- +3332 History and Literature of Music I--Medieval to Baroque (Fall--odd years)**  
**2 credit hours 2:0**  
*Prerequisite: MUSI 2322.* Historical survey of Western music history from antiquity to 1750.
- +3342 History and Literature of Music II - Classical to 20th Century (Spring--even years)**  
**2 credit hours 2:0**  
*Prerequisite: MUSI 3332.* Historical survey of Western music history from 1750 to 20th century.
- +3563 Forms and Analysis (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: MUSI 2553 or placement examination.* Elements of musical form and design in music from the medieval to the present.
- +3612 Instrumentation (Spring--even years)**  
**2 credit hours 2:0**  
*Prerequisite: MUSI 3563.* Examination of the various instruments in the orchestra and the symphonic band and their specific design, function, and usage.
- +3622 Orchestration (Fall--even years)**  
**2 credit hours 2:0**  
*Prerequisite: MUSI 3612.* An examination of the various instruments in the orchestra and symphonic band through analysis of extant scores and assignments in arranging and orchestrating for symphonic band, orchestra, and various chamber ensembles. Topics will include the varying demands of student organizations as opposed to professional ensembles.
- +3632 Arranging (Spring--odd years)**  
**2 credit hours 2:0**  
*Prerequisite: MUSI 3622.* Continuation of concepts in arranging addressed in MUSI 3622 with emphasis on arranging and scoring for vocal ensembles. Students focus on producing work that is performance caliber and which can become part of their portfolios.
- +3713 Counterpoint**  
**3 credit hours 3:0**  
*Prerequisite: MUSI 2553.* Examination of polyphonic composition techniques in the 17th and 18th centuries. Application of techniques discussed through original composition projects.
- 3723 Composition**  
**3 credit hours 3:0**  
 Guided direction in composition.
- MUSIC EDUCATION (MUED)**
- 2111 Woodwind Pedagogy (Fall--even years)**  
**1 credit hour 1:0**  
 Beginning woodwind class open to all students. Methods and materials used in elementary and secondary music education.
- 2121 Class Woodwind II (Spring--odd years)**  
**1 credit hour 1:0**  
*Prerequisite: MUED 2111.* Continuation of MUED 2111.
- 2211 Brass Pedagogy (Fall--even years)**  
**1 credit hour 1:0**  
 Beginning brass class open to all students. Methods and materials used in elementary and secondary music education.
- 2221 Class Brass II (Spring--odd years)**  
**1 credit hour 1:0**  
*Prerequisite: MUED 2211.* Continuation of MUED 2211.

- 208**
- 2311 Percussion Techniques**  
(Spring--even years)  
**1 credit hour 1:0**  
Beginning percussion class open to all students. Methods and materials used in elementary and secondary music education.
- 2411 Strings Pedagogy**  
(Fall--odd years)  
**1 credit hour 1:0**  
Beginning string class open to all students. Methods and materials used in elementary and secondary music education.
- 2421 Class Strings II**  
**1 credit hour 1:0**  
*Prerequisite: MUED 2411.* Continuation of MUED 2411.
- 2511 Class Voice**  
(Fall--odd years)  
**1 credit hour 1:0**  
Beginning voice class open to all students. Methods and materials used in elementary and secondary music education.
- 2521 Diction for Singers I**  
**1 credit hour 1:0**  
Introduction to the International Phonetic Alphabet and the rules of pronunciation for singing in Italian and English.
- 2531 Diction for Singers II**  
**1 credit hour 1:0**  
*Prerequisite: MUED 2521.* Continuation of MUED 2521. Examination of the rules of pronunciation for singing in French and German.
- 2541 Advanced Diction for Singers**  
**1 credit hour 1:0**  
*Prerequisite: MUED 2531.* Extension of concepts learned in MUED 2521 and MUED 2531. Examination of the rules of pronunciation of Germanic and Italianate Latin, Castillian and Mexican Spanish; introduction to the rules of pronunciation in Russian, Hebrew, Japanese, and other languages as determined by the instructor.
- 3112 Principles of Conducting**  
(Fall--see music department for rotation schedule) **2 credit hours 2:0**  
*Prerequisite: Junior standing in the music program.* Introduction to the concepts, principles, and practices of conducting.
- 3122 Instrumental Conducting**  
(Spring--see music department for rotation schedule) **2 credit hours 2:0**  
*Prerequisite: MUED 3112.* Conducting methods for bands and orchestras; score analysis, interpretation and preparation; rehearsal techniques; program building; selection of appropriate repertoire. Application of acquired skills is demonstrated in a laboratory setting.
- 3132 Choral Conducting**  
(Fall--see music department for rotation schedule) **2 credit hours 2:0**  
*Prerequisite: MUED 3122.* Conducting methods for choirs; score analysis, interpretation and preparation; rehearsal techniques; program building; selection of appropriate repertoire. Application of acquired skills is demonstrated in a laboratory setting.
- 3212 Vocal Pedagogy**  
**2 credit hours 2:0**  
*Prerequisite: Junior standing in music or consent of instructor.* Principles and methods of teaching singing in junior and senior high school music programs; working with solo voices as well as choral groups of various sizes and levels of proficiency; appropriate literature; study of the vocal mechanism; addressing the changing voice; diagnostic and evaluative procedures.
- 3312 Elementary School Music Methods**  
(Fall--see music department for rotation schedule) **2 credit hours 2:0**  
*Prerequisite: Admission to Teacher Education Program.* Basic concepts in teaching general music in the elementary grades; theories of learning music; adapting methods of teaching concepts to the learning rate of the child. Elementary performance skills are developed on melodic and rhythmic instruments. Includes classroom management strategies; curriculum development; philosophies of music education for the child; lesson planning and evaluation. Restricted course.



- 3222 Vocal Repertoire**  
(Spring--see music department for rotation schedule) **2 credit hours 2:0**  
*Prerequisite: MUED 3212.* An in depth study of vocal literature for vocal performance majors and serious voice students including but not limited to, art song and operatic works.
- 3322 Secondary School Music Methods**  
(Spring--see music department for rotation schedule) **2 credit hours 2:0**  
*Prerequisite: Admission to Teacher Education Program.* Methods, techniques, and materials for teaching general music, vocal, and instrumental programs; classroom management strategies; curriculum development; philosophies of music education; lesson planning; and evaluation.
- 3412 Marching Band Techniques**  
**2 credit hours 2:0**  
*Prerequisite: Junior standing or consent of instructor.* Management and teaching techniques for the marching band. Field design; marching techniques; parade technique; and pep-band techniques; classroom management strategies; curriculum development; lesson planning, and evaluation.
- 4112 Independent Study in Advanced Conducting**  
**2 credit hours 2:0**  
*Prerequisite: MUED 3132 or consent of instructor.* Continuation of MUED 3132. Advanced topics in score interpretation and analysis; rehearsal techniques; expressive gestures and control of the ensemble; conducting major works with both vocal and instrumental ensembles.

## **NURSING (NURS)**

*Courses may be taught at other times based on student need.*

- +2223 Healthcare Economics**  
(Fall)  
**3 credit hours 3:0**  
Case study methodology used to examine the fundamental economic principles in contemporary health care. Impact of managed care, prospective payment, and market competition will be discussed.
- 3013 Medical Terminology**  
**3 credit hours 3:0**  
(Fall/Spring)  
Study of definition and use of medical terms common to many health-related disciplines.

- 3212 The Science of Nursing**  
(Fall/Spring)  
**2 Credit hours 2:0**  
Examines the philosophical and theoretical bases underlying concepts and operations inherent to nursing. The evolution and current state of theory in nursing will be examined. Multiple theorists will be studied, including Jean Watson and the Theory of Human Caring and other caring theories.
- +3213 Pharmacotherapeutics**  
(Fall/Summer/Spring)  
**3 Credit hours 3:0**  
Principles of therapeutic pharmacology for restoration and support of psychological, physiological and chemical disturbances in human function. Focus on drugs in the context of their principal uses, their effects on biochemical or physiological processes, and guidelines for nursing intervention indicated by these effects.
- 3214 Health Assessment and Health Promotion/ Lab**  
(Fall/Spring)  
**4 Credit hours 3:3**  
Emphasis is on the development of skills in assessment and evaluation of a client's health status utilizing nursing techniques and processes of physical examination and health assessment on clients of all ages. Health promotion and maintenance are also discussed. Lab arranged in your geographic locale.
- 3333 Nursing in Rural America**  
(Fall/Summer)  
**3 Credit hours 3:0**  
Nursing systems and organizational concepts are examined in the context of rural health care needs, resources and facilities. Vulnerable rural populations are studied, with an emphasis on integration of the Theory of Human Caring and problem resolution. Includes a global comparison of nursing in rural health care systems.
- 3343 Nursing Research**  
(Spring)  
**3 Credit hours 3:0**  
*Prerequisite: Math 1513 or Math 1473, Co-requisite: Statistics.* Examines the development of nursing research and its contribution to the science of nursing. Opportunities are provided to analyze research studies for their significance and application to nursing practice. Research based on caring theories is analyzed for application in practice.

210

**4000 Special Topics in Nursing  
(Offered as Needed)**

**1-4 credit hours 1-4:0**

*Prerequisite:* Eight hours of NURS 3000 level courses. Gives students opportunity to pursue areas of individual interest within the field of nursing. May be repeated with a change in area of interest for a maximum of 6 semester hours.

**+4013 Pathophysiology  
(Fall/Spring)**

**3 Credit hours 3:0**

*Prerequisite:* Eight hours of NURS 3000 level courses. Designed to examine the outcomes of pathological processes at cellular and systemic levels; focuses on etiological, symptomatic, and pathological aspects of major physiological alterations in humans.

**4223 Advanced Concepts of Nursing in the  
Community  
(Fall)**

**3 Credit hours 3:0**

Emphasis is on the concepts of the delivery of health care to community populations of all ages. Caring concepts are incorporated throughout the course to direct care of the various community populations. Focus is on Community as client and facilitation of community health through health promotion, restoration, caring and support processes of individuals, families, aggregates, communities, and societies within the community population.

**4233 Advanced Nursing Interventions with Clients and  
Groups in the Community  
(Fall)**

**3 Credit hours 3:0**

*Co/Prerequisite:* Nurs 4223. Focus is on the issues, approaches, and interventions used in the delivery of health care to the community. Emphasis is on critical-thinking and problem solving that utilize knowledge of concepts related to promotion, restoration, human caring, and support in the delivery of health care in the community setting to various community populations including vulnerable populations and families.

**4244 Clinical Practicum in the Community  
(Fall)**

**4 Credit hours 0:12**

*Prerequisite:* Nurs 3214. *Pre/Corequisite:* Nurs 4223 and Nurs 4233. Community health principles, the nursing process and caring elements are applied to disease prevention, health promotion, and health maintenance in a variety of community health care settings. Individual clinical experiences are provided to facilitate attainment of professional goals.

**4313 Advanced Concepts of Leadership/  
Management in Nursing  
(Spring)**

**3 Credit hours 3:0**

Focus is on professional, caring nursing practices within an organizational framework. Leadership/management skills, organizational behaviors and knowledge required for management and leadership of common professional nursing activities in varied health care settings are examined.

**4323 Advanced Nursing Interventions with Clients and  
Groups in Leadership/Management.  
(Spring)**

**3 Credit hours 3:0**

*Pre/Corequisite:* Nurs 4313. Focus is on critical-thinking and problem solving to gain knowledge of concepts for promotion, restoration, caring and support in further developing/refining, leadership skills needed in the delivery of health care and in making the transition from student to graduate professional nurse.

**4334 Clinical Practicum in Leadership/  
Management  
(Spring)**

**4 Credit hours 0:12**

*Pre/Corequisite:* Nurs 4313 and Nurs 4323. Clinical experiences in leadership and management of clients, personnel, and resources are utilized in a variety of health care settings. Applications of advanced concepts and nursing interventions in clinical experiences assist students to meet individual professional goals.

- 4342 Professional Practice Seminar**  
(Fall/Spring)  
**2 Credit hours** **2:0**  
Focus is on current concerns in the development and application of health care policy and legislation at the local, state, and national levels. Ethical, legal, and social issues facing the nursing profession and society are considered. Traditional moral categories will be reviewed and applied to case studies in health care.

### PHYSICS (PHYS)

- +2014 General Physics I**  
(Fall)  
**4 credit hours** **4:0**  
*Prerequisite: Math 1613.* Principles of mechanics, heat, and thermodynamics. For science and engineering majors.
- +2114 General Physics II**  
(Spring)  
**4 credit hours** **4:0**  
*Prerequisite: Phys 2014.* Principles of electricity, sound, light, and magnetism. For science and engineering majors.
- +2412 Basic Electricity and Magnetism**  
(Offered as needed)  
**2 credit hours** **2:0**  
*Prerequisite: Math 1824 and concurrent enrollment in Phys 2521.* Electric and magnetic phenomena. DC and AC circuits; introduction to electronics.
- +2521 Electrical Laboratory**  
(Offered as needed)  
**1 credit hour** **0:1**  
*Prerequisite: Concurrent enrollment in Phys 2412.* Electrical measurements, electrical instrumentation, and electronics.
- +4100 Topics in Physics**  
(Offered as needed)  
**1-4 credit hours** **1-4:0**  
*Prerequisite: Consent of instructor.* In-depth treatment of selected topics and problems in physics. May be repeated for credit when the instructor determines that there will not be a duplication of material.

### POLITICAL SCIENCE (POLS)

- +1013 American Government and Politics**  
(Fall/Spring)  
**3 credit hours** **3:0**  
Origin and framework of the federal government.
- +2031 Law and the Courts--Mock Trial**  
**1 credit hour** **1:0**  
Introduction to legal reasoning, legal research techniques, and US public law. Preparation and participation in the national Mock Trial Tournament.
- +2041 International Institutions**  
(Fall/Spring)  
**1 credit hour** **1:0**  
**3343 Nursing Research**  
(Spring)  
**3 Credit hours** **3:0**  
Organization, procedures, functions, and role of international institutions with emphasis on the United Nations and related agencies. Preparation and participation in an Inter-Collegiate Model United Nations Conference.
- +2313 State and Local Government**  
(Every 2 years)  
**3 credit hours** **3:0**  
*Prerequisite: Pols 1013.* Government of the state and its subdivisions.
- +2413 Public Policy**  
(Every 2 years)  
**3 credit hours** **3:0**  
*Prerequisite: Pols 1013.* Policies, functions, and programs of the national government. Specific policies in labor, agriculture, business welfare, civil rights, and national security analyzed against a background of history, politics, and governmental institutions.

## 212

- +3143 Comparative Government**  
(Every 2 years)  
**3 credit hours** **3:0**  
*Prerequisite: Pols 1013.* Comparison of the government of the United States to the governments of European nations.
- +3353 Political Parties and Pressure Groups**  
(Every 2 years)  
**3 credit hours** **3:0**  
*Prerequisite: Posc1013.* Political parties in relation to pressure groups, suffrage, campaigning, public opinion, etc.
- +3713 Principles of Public Administration**  
(Every 2 years)  
**3 credit hours** **3:0**  
*Prerequisite: Pols 1013.* Principles and problems of public administration in federal, state, and local governments and the role of public administration in the political process.
- +3753 American Constitutional Law**  
(Fall)  
**3 credit hours** **3:0**  
*Prerequisite: Pols 1013.* Judicial systems, court procedures, appeal procedures, and Supreme Court decisions which have contributed to the contemporary interpretation of the American Constitution.
- +4000 Problems in Political Science**  
(Offered as Needed)  
**1-3 credit hours** **1-3:0**  
Problems and/or independent study course in political science. May be repeated with different topics/readings.
- +4103 History of Political Philosophy**  
**3 credit hours** **3:0**  
*Prerequisite: Junior standing.* Major theories of western political thought including but not limited to Plato, Aristotle, Hobbes, Locke, and Montesque. Their relevance for the contemporary world will be emphasized.

## PSYCHOLOGY (PSYC)

- +1113 General Psychology**  
(Fall/Spring)  
**3 credit hours** **3:0**  
Science of human behavior. Consideration of heredity, environment, maturation, motivation, learning, memory, intelligence, aptitudes, and personality. Especially recommended for students preparing to teach.
- +2123 Psychology of Personal Adjustment**  
(Fall/Spring)  
**3 credit hours** **3:0**  
Study of positive remedial and preventive objectives; physical, psychological, and social factors affecting personal adjustment.
- +3073 Physiological Psychology**  
(Fall)  
**3 credit hours** **3:0**  
*Prerequisite: Psysc 1113.* Main structural and functional characteristics of the receptor-connector-effector system of man and how it affects man's behavior.
- 3121 Peer Counseling Lab**  
**1 credit hour** **1:0**  
*Prerequisite: Acceptance in the Peer Counseling Program.* Required of all peer counselors. May be repeated for each semester of active participation in the Peer Counseling Program. Consists of peer help and training with an emphasis on providing counseling services for OPSU students.
- +3113 History and Systems of Psychology**  
**3 credit hours** **3:0**  
The historical roots and development of the discipline of psychology. Review of key scientific developments and discoveries through a study of the major personalities, theories, and methods of inquiry.
- +3223 Lifespan Development**  
(Fall/Spring)  
**3 credit hours** **3:0**  
*Prerequisite: Sophomore standing.* Development over the life span, from conception to death, with emphasis on research, theory, and its application in the areas of cognitive, personality, social, and physiological changes.
- +3253 Theories of Personality**  
(Offered as Needed)  
**3 credit hours** **3:0**  
*Prerequisite: Psysc 1113.* Analysis of the structure, development, and measurement of personality. Emphasis on the major theories of personality and basic problems of adjustment.

- +3333 Industrial Psychology**  
(Offered as Needed)  
**3 credit hours** **3:0**  
*Prerequisite: Three hours of psychology.* Application of psychological facts and principles of creating the optimum work environment, work schedule, and work procedures; role of behavioral factors in the design and operation of machines and equipment.
- +3513 Psychology of Learning**  
(Spring)  
**3 credit hours** **3:0**  
*Prerequisite: Psyc 1113.* Consideration of topics pertaining to behavior change as a function of experience and extending from relatively simple learning processes, such as classical and instrumental conditioning, to the relatively complex, such as verbal learning and concept identification.
- +3613 Statistics**  
(Fall/Spring)  
**3 credit hours** **3:0**  
*Prerequisite: Math 1513.* Collecting, analyzing, presenting, and interpreting numerical data for a variety of applications. General application of statistical principles is emphasized.
- +3743 Social Psychology**  
(Spring)  
**3 credit hours** **3:0**  
*Prerequisite: six hours of psychology required; nine hours recommended.* Experimental investigation of group behavior. Emphasis on emotions, drives, and personality traits in the adjustment of individuals to the demands of modern society.
- +3913 Experimental Psychology**  
(Spring)  
**3 credit hours** **2:2**  
*Prerequisite: six hours of psychology.* Problems, methods, and application of experimental psychology.
- +3990 Special Topics in Psychology**  
(Offered as Needed)  
**1-3 credit hours** **1-3:0**  
*Prerequisite: nine hours of psychology and consent of instructor.* Current and cogent topics of psychology selected by the instructor. May be repeated with varying topics/readings.
- +4000 Problems in Psychology**  
(Offered as Needed)  
**1-3 credit hours** **1-3:0**  
Problems and/or independent study course in psychology. May be repeated with varying topics/readings.
- 4083 Principles of Guidance and Counseling**  
(Offered as Needed)  
**3 credit hours** **3:0**  
*Prerequisite: Six hours of psychology and consent of instructor.* History of the guidance program. Techniques applied to occupational, educational, and psychological counseling.
- 4443 Abnormal Psychology**  
(Fall - even years)  
**3 credit hours** **3:0**  
*Prerequisite: Six hours of psychology and consent of instructor.* Study of the major psychoses, psychoneuroses, and sexual maladjustments; analysis of childhood backgrounds which lead to mental breakdowns; phobias; compulsions; suicides; alcoholism; hysteria; and sexual delinquency.
- 4773 Introduction to Clinical Psychology**  
(Fall - even years)  
**3 credit hours** **3:0**  
*Prerequisite: Nine hours of psychology.* Orientation to the field of clinical psychology with emphasis on the study of tools, techniques, and methods of the clinician.
- +4813 Tests and Measurements**  
(Spring - odd years)  
**3 credit hours** **3:0**  
*Prerequisite: six hours of psychology.* Principles and techniques of psychological testing. Introduction to psychological tests adapted for specific conditions, administration, and evaluation.
- +4990 Seminar in Psychology**  
(Offered as Needed)  
**1-3 credit hours** **1-3:0**  
*Prerequisite: 12 hours of psychology recommended and consent of instructor.* Course will be conducted as a seminar. Each student will select an area of interest for research. Each student will be responsible to the group for reports of his/her research and discussion. May be repeated with varying topics/readings.

**RELIGION (RELI)**

- +1013 The Old Testament**  
**3 credit hours** **3:0**  
 Survey of Old Testament literature with special attention given to literary form, historical background, and religious message.
- +1113 The New Testament**  
**3 credit hours** **3:0**  
 Survey of New Testament books with emphasis upon origin, religious content, and relevance to present-day Christian living.
- +2012 The Life and Teachings of Jesus**  
**2 credit hours** **2:0**  
 Detailed study of the Gospels concerning the life and teachings of Jesus with special emphasis upon their present-day significance.
- +2022 The Life and Letters of Paul**  
**2 credit hours** **2:0**  
 Survey of the life and times of the Apostle Paul, with major concentration of the message of his letters to the churches of Asia Minor and Europe.
- +2032 Contemporary World Religions**  
**2 credit hours** **2:0**  
 Study of some of the major religions of the world with emphasis on their origin, history, and teachings.
- +3022 Marriage and Family Living**  
**2 credit hours** **2:0**  
 Christian foundations for marriage and family living.
- +4000 Problems in Religion**  
**1-3 credit hours** **1-3:0**  
 Problems and/or independent study course in religion. May be repeated with varying topics/readings.
- +4012 Early and Medieval Church History**  
**2 credit hours** **2:0**  
 Christian movement and development from the Apostolic Age to 1500.
- +4022 Modern Church History**  
**2 credit hours** **2:0**  
 Background and development of Christianity since 1500.
- +4032 Contemporary Ethical Problems**  
**2 credit hours** **2:0**  
 Study of ethical problems.

- +4042 Philosophy of Religion**  
**2 credit hours** **2:0**  
 Religious experience of mankind with special emphasis on Western thought and Christian tradition.

**SCIENCE EDUCATION (SCED)**

- 4652 Methods and Materials in Teaching Secondary Science**  
**2 credit hours** **2:0**  
*Prerequisite: Acceptance to the Teacher Education Program.* Recommended for those who intend to teach science in the secondary schools.

**SECRETARIAL SCIENCE (SESC)**

See Business Secretarial Science

**SOCIOLOGY (SOC)**

- +1113 Elements of Sociology (Fall/Summer)**  
**3 credit hours** **3:0**  
 General survey of sociology; origin and development of social institutions; social processes.
- +2003 Critical Thinking**  
**3 credit hours** **3:0**  
 Studies the process by which one develops and supports one's beliefs with clear, unambiguous arguments and evaluates the strength of the arguments of others in real-life situations. Includes practice in inductive and deductive reasoning, presentation of arguments in oral and written form, and analysis of the use of language to influence thought. Applies the reasoning process in fields such as business, law, science, and the arts.
- +2123 Social Problems (Spring)**  
**3 credit hours** **3:0**  
 Study of current social problems including various perspectives on alternative social policies.
- +2233 Principles of Rural Sociology (Offered as Needed)**  
**3 credit hours** **3:0**  
 Nature and structure of rural society; status of rural society in comparison to non-agricultural society.
- +2243 Multicultural Sociology (Fall/Spring)**  
**3 credit hours** **3:0**  
 Study of domestic and foreign cultures from a sociological perspective with a focus on cultures common to the US.

- +2353 General Anthropology (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: Sophomore standing.* Introduction to the origin of man and man's evolutionary development; basic concepts concerning race, culture, and society.
- +3253 Population (Offered as Needed)**  
**3 credit hours 3:0**  
*Prerequisite: Soc 1113.* Distribution, growth, and characteristics of human populations and their social organization.
- +3363 Selected Topics (Offered as Needed)**  
**3 credit hours 3:0**  
 Topics selected by instructor. May be repeated provided topics vary.
- +3423 Marriage, Family, and Parenting (Fall)**  
**3 credit hours 3:0**  
 Study of the contemporary American couple's relationship and adjustments in partnerships, including couple and family interactions throughout the life cycle.
- +3613 Statistics (Fall/Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Math 1513 or consent of instructor.* Methods of collecting, analyzing, presenting, and interpreting numerical data for a variety of applications; emphasis on application of statistical principles.
- +3643 Formal Organization (Offered as Needed)**  
**3 credit hours 3:0**  
 Main facets of organizational life including examination of formal organizations as to their nature and type; relations that exist between organizations; social context of which they are part; their internal structure and various components; communications process; mechanisms of social control.
- +3743 Social Psychology (Offered as Needed)**  
**3 credit hours 3:0**  
*Prerequisite: Six hours of psychology or sociology and consent of instructor.* Experimental investigation of group behavior. Emphasis on emotions, drives, and personality traits in the adjustment of individuals to the demands of modern society.
- +4000 Problems in Sociology (Offered as Needed)**  
**1-3 credit hours 1-3:0**  
 Problems and/or independent study course in sociology. May be repeated when topics change.
- +4333 Criminology (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Soc 1113.* Development of theories of criminal behavior; procedures for the control of crime and delinquency.
- +4383 Social Stratification (Offered as Needed)**  
**3 credit hours 3:0**  
*Prerequisite: Soc 1113.* Distribution of wealth, power, prestige, and related values.
- SPANISH (SPAN)**
- +1114 Elementary Spanish I (Fall/Spring)**  
**4 credit hours 4:0**  
 Introduction to Spanish with emphasis on conversation and comprehension along with development of reading and writing skills.
- +1224 Elementary Spanish II (Fall/Spring)**  
**4 credit hours 4:0**  
*Prerequisite: Span 1114 or one year of high school Spanish.* Continuation of Span 1114.
- +2113 Intermediate Spanish I (Fall)**  
**3 credit hours 3:0**  
*Prerequisite: Span 1224 or equivalent.* Review of Spanish grammar; systematic study of Spanish composition; vocabulary building; reading of short Spanish classics.

**216**

- +2223 Intermediate Spanish II (Spring)**  
**3 credit hours 3:0**  
*Prerequisite: Span 2113.* Continuation of Span 2113.
- +3073 Peninsular Language, Culture, and Literature I (Fall--every other year)**  
**3 credit hours 3:0**  
*Prerequisite: Span 2223 or equivalent.* Advanced conversation, reading, and writing about the culture and literature of the Peninsula from the Middle Ages through the 18th century.
- +3083 Latin American Language, Culture, and Literature I (Fall--every other year)**  
**3 credit hours 3:0**  
*Prerequisite: Span 2223 or equivalent.* Advanced conversation, reading, and writing about the culture and literature of Latin America in the 20th century.
- +3113 Advanced Spanish Grammar**  
**3 credit hours 3:0**  
*Prerequisite: Span 2223 or equivalent.* Analysis and understanding of Spanish grammar in great detail.
- +3173 Peninsular Language, Culture, and Literature II (Spring--every other year)**  
**3 credit hours 3:0**  
*Prerequisite: Span 3073.* Continuation of Span 3073.
- +3183 Latin American Language, Culture, and Literature II (Spring--every other year)**  
**3 credit hours 3:0**  
*Prerequisite: Span 3083.* Continuation of Span 3083.
- +3223 Advanced Spanish Conversation**  
**3 credit hours 3:0**  
*Prerequisite: Span 3113 or equivalent.* Analysis and understanding of advanced Spanish conversation. Includes readings and discussions on contemporary issues, debating current events and their impact on the world.
- +3303 Advanced Spanish Composition**  
**3 credit hours 3:0**  
*Prerequisite: Span 3113 or equivalent.* The analysis and understanding of Spanish composition. Includes readings of contemporary issues, and their relationship to the world as well as the technique of writing and the acceptable format of composition.
- +4000 Problems in Spanish (Interterm)**  
**1-3 credit hours 1-3:0**  
Problems and/or independent study course in Spanish. May be repeated with change of content.
- +4113 Spanish Civilization**  
**3 credit hours 3:0**  
*Prerequisite: Span 3203 or equivalent.* Examination of Spanish civilization from an historical, geographical, anthropological, and sociological point of view. Includes the reading of articles, diary journals, commentaries from historians regarding the birth of the Spanish civilization.
- +4123 Individual Topics in Spanish Peninsular Literature**  
**3 credit hours 3:0**  
*Prerequisite: Span 3113 or equivalent.* Individual topics in Spanish Peninsular literature with a look at a specific school of literature, genre, or group of authors or one author. This will be accomplished by reading short excerpts, short stories, and full novels. Examination of various literary genres including letters, diary/journal keeping, poetry, short stories, and novels.
- +4223 Individual Topics in Latin American Literature**  
**3 credit hours 3:0**  
*Prerequisite: Span 3113 or equivalent.* Study of individual topics with regard to specific schools of literature, genre, or group of authors or specific author. This will be accomplished by reading short excerpts, stories, and novels. Examination of all various literary genres including letters, diary/journal keeping, poetry, short stories, and novels.



**+4233 Latin American Civilization**  
**3 credit hours** **3:0**  
*Prerequisite: Span 3203 or equivalent.* Examination of Spanish Civilization from historical, geographical, anthropological, and sociological points of view with readings in articles, diary journals, and commentaries from historians with regard to the birth of the Latin American Civilization pre-1492. These civilizations will be examined in relationship to their impact after the discovery of the New World.

**+4313 Spanish Phonetics**  
**3 credit hours** **3:0**  
*Prerequisite: Span 3113 or equivalent.* Analysis and understanding of Spanish phonetics.

### **SPEECH COMMUNICATION (COMM)**

**+1113 Speech Communication**  
**(Fall/Spring/Summer as Needed)**  
**3 credit hours** **3:0**  
 Principles of communicating with others in one-to-one and one-to-many situations. Idea transmission is stressed with practice in speech preparation and delivery.

**2111 Forensic Activities**  
**(Fall/Spring)**  
**1 credit hour** **1:0**  
*Prerequisite: Consent of instructor.* Participation in intercollegiate contests, festival activities, dramatics, forensics (debate), or radio-television. Maximum of four hours may be counted toward graduation.

**+2423 Introduction to Theatre**  
**(Fall)**  
**3 credit hours** **3:0**  
 Introduces students to various areas of theatre including history, acting, criticism, playwrights, and technical theater. Introduction to new trends in theater designed to give students a better knowledge and appreciation of theatre. Creative dramatics and children's theatre will aid students interested in educational theatre.

**+2713 Voice and Articulation**  
**(Spring--every other year)**  
**3 credit hours** **3:0**  
*Prerequisite: Comm 1113.* Introduction to correct speech production and speech correction through the study of phonetics and the nature of human vocal mechanisms.

**+3140 Special Studies in Speech**  
**1-3 credit hours** **1-3:0**  
*Prerequisite: Junio standing.* Independent study based upon specialized readings. May be repeated with varying content.

**+3173 Business Communications**  
**(Fall/Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Engl 1213.* The study and applications of the concepts of inter- and intra-organizational communications—oral and written. Includes listening skills, letters, memos, resumes, giving instructions, chairing meetings, and interviews.

**+3703 Small Group Discussion**  
**(Fall)**  
**3 credit hours** **3:0**  
*Prerequisite: Comm 1113.* Leadership training through the study of oral communication and decision-making. Relationship of oral communication and discussion techniques to problem-solving, decision-making, conflict resolution, and patterns of leadership in small groups.

**+3713 Argumentation and Logic**  
**(Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Comm 1113.* Analysis and reasoning in the study of argumentation and debate in a democratic society. Practical study is stressed.

**+3723 Interpretation**  
**(Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Comm 1113.* Basic techniques of the oral interpretation of literature: poetry, prose, and drama. Class projects required.

**+4100 Special Topics in Speech**  
**1-3 credit hours** **1-3:0**  
 Problems and/or special topics course in communication. May be repeated with content change.

218

**4112 Teaching Speech**  
**2 credit hours** **2:0**  
*Prerequisite: Senior standing or consent of instructor.* Methods and materials in teaching a balanced speech and drama curriculum in the secondary school.

**+4142 Seminar in Speech**  
**(Spring--every other year)**  
**2 credit hours** **2:0**  
*Prerequisite: Consent of instructor.* Research in methods and materials used in speech communication in industry, schools, and other areas of American culture. Individual student research. May be repeated with different topics/readings.

**+4703 Organizational Communication**  
**(Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Comm 1113.* Emphasis upon communication behaviors which occur within organizational structures, including group processes, interviewing techniques, listening behaviors, and communication phenomena within business, professional, and community organizations.

**+4713 Rhetoric and Public Address**  
**(Fall--every other year)**  
**3 credit hours** **3:0**  
*Prerequisite: Junior standing.* Analysis of speech effectiveness in American history. Emphasis on preparation and delivery of effective oral communication.

#### RADIO-TELEVISION

**+2603 Introduction to Broadcasting**  
**(Fall--every other year)**  
**3 credit hours** **2:2**  
*Prerequisite: Comm 1113.* Development of the broadcasting industry and techniques of announcing, programming, and basic engineering.

**2653 Radio/Television Performance**  
**3 credit hours** **3:0**  
*Prerequisite: Comm 2603.* Techniques of announcing, newscasting, interviewing, and commentary with emphasis on performance.

**3653 Television Production**  
**3 credit hours** **3:0**  
Theory based upon current practices in the television industry incorporating the latest production techniques expertise gained by applying theory in performance.

**3672 Radio/Television Workshop I**  
**2 credit hours** **2:0**  
*Prerequisite: Comm 2603 or consent of instructor.* Presentation of radio and television programs and experience in producing programs through radio and television facilities.

**3682 Radio/Television Workshop II**  
**2 credit hours** **2:0**  
*Prerequisite: Comm 2603 or consent of instructor.* Continuation of Comm 3672.

#### DRAMA

**+2423 Introduction to the Theater**  
**(Fall)**  
**3 credit hours** **3:0**  
Introduces students to various areas of theater including history, acting, criticism, playwrights, and technical theater. Introduction to new trends in theater designed to give students a better knowledge and appreciation of theater. Creative dramatics and children's theater will aid students interested in educational theater.

**2433 Stagecraft I**  
**(Spring)**  
**3 credit hours** **3:0**  
*Prerequisite: Comm 1113 and Comm 2423.* Problems of technical production of plays: stage craft, scene painting, special effects, costumes, and make-up.

**3412 The Art of Acting**  
**(Spring--every other year)**  
**2 credit hours** **2:0**  
General introduction to the process and art of acting: actor's instrument, sensory awareness, personal and group response, objectives, and tactics. Fundamentals of naturalistic action and interaction; development of spontaneity, believability, and a sense of truth; genre playing and basic stage techniques and scene work will be emphasized.

**3433 Stagecraft II**  
**3 credit hours** **3:0**  
*Prerequisite: Comm 2433.* A continuation of Comm 2433. Special emphasis on scene design, and stage management, and house management.

- 4412 Reader's Theater (Advanced Interpretation)**  
**2 credit hours** **2:0**  
*Prerequisite: Comm 2423 and Comm 3723 or consent of instructor.* Principles and techniques of oral interpretation with emphasis on drama.
- +4432 Analysis of Modern Drama**  
**(Spring)**  
**2 credit hours** **2:0**  
*Prerequisite: Comm 2423 or Hum 2413 or consent of instructor.* Careful analysis of selected modern dramas to show the repetition and continuation of historical forms as well as an indication of the trends in contemporary dramatic writing through the study of professional theater critiques. Cross-referenced with Engl 4432.
- 4443 Directing**  
**(Fall--every other year)**  
**3 credit hours** **2:2**  
*Prerequisite: Senior standing and consent of the instructor.* Lecture-laboratory course to give the student practical experience in directing plays and theater productions.

## ABBREVIATIONS

### COURSES

Acct	Accounting
Ace	Adult & Continuing Education
Ag	Agriculture
Aged	Agriculture Education
Agme	Agriculture Mechanized
Agrn	Agronomy
Ais	Accounting Information Systems
Ansi	Animal Science
Art	Art
Aved	Aviation Education
Badm	Business Administration
Biol	Biology
Bus	Business Education
Chem	Chemistry
Cis	Computer Information Systems
Deve	Developmental English
Devr	Developmental Reading
Devm	Developmental Mathematics
Easc	Earth Science
Econ	Economics
Educ	Education
Engl	English
Equi	Equine Science
Esl	Teaching English to Speakers of Other Languages
Fin	Finance
Fpst	Fire Protection
Frmg	Farm and Ranch Management
Geog	Geography
Hist	History
Hper	Health and Physical Education
Hum	Humanities
Indt	Industrial Technology
Lenf	Law Enforcement
Math	Mathematics
Medt	Medical Technology
Mktg	Marketing
Mgmt	Management
Musi	Music
Muap	Applied Music
Mued	Music Education
Mupi	Private Music
Phys	Physics
Pols	Political Science
Psyc	Psychology
Rel	Religion
Sced	Science Education

Sesc	Secretarial Science
Soc	Sociology
Span	Spanish
Comm	Speech Communications

### BUILDINGS

CART	Carter Hall
FML	Firestone Meat Lab
HMH	Hamilton Hall
HFH	Hefley Hall
HSH	Hesper Hall
HUGH	Hughes-Strong Hall
ML	Marvin E. McKee Library
MS	Metal Shops Building
NC	Noble Center
OW	Oscar Williams Field House
SL	Sewell-Loofbourrow
SU	Student Union

**APPENDIX A**  
**PRESIDENTS OF OKLAHOMA PANHANDLE STATE UNIVERSITY**

S.W. Black .....	1909-1916
J.F. Sharp .....	1916-1919
George A. Coffee .....	1919-1922
Albert W. Fanning .....	1922-1933
Byron Dacus .....	1933-1936
Edward L. Morrison .....	1936-1945
Marvin E. McKee .....	1946-1968
J.Freeman McKee .....	1968-1971
Thomas L. Palmer .....	1971-1987
William Larry Boyd .....	1987-1989
Theodore W. Wischropp .....	1990-1993
Ron Meek .....	1993-1994
John W. Goodwin .....	1995-2002
David Bryant .....	2003-

**APPENDIX B**  
**RECIPIENTS OF J.R.P. SEWELL SCHOLARSHIP**  
**AND ACHIEVEMENT AWARD**

Roy J. Hill .....	1949	Teresa Kay Robins .....	1979
Eugene Williams .....	1950	Lynetta Robins .....	1980
Leo C. Cockrell .....	1951	Nancy Hallmark .....	1981
Keith L. Harner .....	1952	Elizabeth Gardner McBee .....	1982
Aubrey B. Pierce .....	1953	Nickie Maxine Stipe .....	1983
Glenna F. Hundley .....	1954	Troy Morris .....	1984
Curtis C. Shiflett .....	1955	Nanette Buhr .....	1985
Marlene Phelps Benton .....	1956	Kristi Patterson .....	1986
Clayton G. Goff .....	1957	Julia Ann Strasner .....	1987
Ralph Cramer .....	1958	Stacy Palmer .....	1988
Lucy Mae Shiflett .....	1959	Tonya Applegarth .....	1989
Ronald I. Cramer, Jr. ....	1960	Jocelyn Farmer .....	1990
Harold Frank Doenges .....	1961	Trisha King .....	1991
Carol Clark .....	1962	Bobby E. Buhr .....	1992
Roma Ann Potter .....	1963	Dale McCurdy .....	1993
Leroy Hawkins .....	1964	Nat Hall .....	1994
Elaine Thompson .....	1965	Steve Martin .....	1995
Elaine Allen .....	1966	Michelle Smiley .....	1996
Larry Quinn .....	1967	Tiphonie Looper .....	1997
Ruby Gayle Pittman .....	1968	Twyla J. Twyman .....	1998
Alene Thompson Humphrey .....	1969	Jamie Roberts .....	1999
John Keith Flanagan .....	1970	Amie M. Johnson .....	2000
Garvin Wayne Quinn .....	1971	Jennifer Brooks .....	2001
Gib Allen Dolezal .....	1972	Kelly J. Hart .....	2002
Stanley Harold Jackson .....	1973	Darci N. Pillars .....	2003
Deborah L. Drake .....	1974	Jorge Aznar .....	2004
Marilyn R. Benton .....	1975	Chelsey Gunkel Scales .....	2005
Gary Dale Haynes .....	1976	Lavada Kate Dollins .....	2006
Ronald Dean Quinn .....	1977	Allen Roberts .....	2007
James Hershey .....	1978		

# Index

## A

### Abbreviations

- Courses 220
- Buildings 220

### Academic Regulations 71

- Adding and Dropping Courses 72
- Administrative Withdrawal 72
- Calendar 6, 72
- Final Enrollment 71
- Misconduct 74
- Pre-enrollment 71
- Right of Appeal 73

### Academic Notice 64

### Academic Probation 64

### Academic Renewal Policy 69

### Academic Reprieve Policy 68

### Accreditation Lists 5

### Adding and Dropping Courses 72

### Administrative Officers 8

### Admission Regulations 58

### Agriculture, School of

- Agribusiness 96
- Agriculture Economics 96
- Agronomy 98
- Animal Science 99
- Equine Science 102

### Appeal 73

### Associate Degree Programs

- Agriculture 85
- Business Administration 86
- Computer Information Systems 86
- Farm and Ranch Management 87
- General Studies 84
- Nursing 88
- Technology 89

### Audit of Courses 74

## B

### Board of Regents 7

### Business and Technology, School of

- Accounting 104
- Business Administration 106
- Computer Information Systems 109
- Industrial Technology 112

## C

### Class Standing 71

### CLEP 37

### Community Services and Resources 32

### Computer Proficiency 75

### Concurrent Enrollment 62

### Continuing Education 33

### Counseling Services 36

### Credit 74

## D

### Degree Listings 77

### Description of Courses 157

- Accounting Information Systems 159
- Accounting 157
- Agriculture 159
- Agriculture Education 160
- Agriculture Mechanized 161
- Agronomy 162
- Animal Science 163
- Art 166
- Biology 168
- Business Administration 171
- Business Education 172
- Business Finance 173
- Business Management 173
- Business Marketing 174
- Business Secretarial Science 175
- Chemistry 175
- Computer Information Systems 176
- Criminal Justice 179
- Economics 181
- Education 182
- English 186
- English as a Second Language 188
- Fire Protection 190
- Geography 191
- Health and Physical Education 191
- Humanities 196
- Industrial Technology 197
- Journalism 200
- Law Enforcement 179
- Mathematics 200
- Medical Technology 203
- Music 203
- Nursing 209
- Physics 211
- Political Science 211
- Psychology 212
- Religion 214
- Science Education 214
- Secretarial Science 214
- Sociology 214
- Spanish 215
- Speech Communication 217
- Developmental Courses 82

### Disabilities, students with 38

### Disability Accommodation Policy 38

**E****Education, School of 114**

Health and Physical Education 124

Information for Teacher Candidates 114

**Enrollment 71****F****Faculty**

Adjunct 18

Instructors 15

Lecturers 17

Professors 13

**Farm, University 32****Fees**

Tuition and General Fees 27

Special Service Charges 27

Special Instruction Fees 28

**Financial Aid**

Additional Sources of 44

Bureau of Indian Affairs 44

Need Determination 42

Probation and Suspension 41

Programs 42

Rights and Responsibilities 45

Student Employment 44

Veterans Administration Benefits 44

Vocational Rehabilitation Grants 45

**Financial Clearance 30****Foreign Language Studies 136****G****General Education 80, 81****Grade Point Calculation, GPA 67****Grades 67****Graduation Requirements 75****H****Health Services 39****History, Mission, and Functions 22****Honors 56**

Dean's Honor Roll 56

J.R.P. Sewell 56

President's Honor Roll 56

**J****J.R.P. Sewell Scholarship and Achievement Award,****Recipients of 221****L****Liberal Arts, School of**

Behavioral and Social Science 127

Communications 133

English 133

Fine Arts 139

Foreign Languages Studies 136

**Living Accommodations 31****M****Marvin E. McKee Library 25****Minors 78****Mission, OPSU 22****N****No Man's Land Historical Museum 32****Nursing**

AAS 88

BSN 156

**O****overload, course 71****P****Panhandle State Foundation Scholarships 48****Placement 36****Plagiarism 74****Pre-enrollment 71****Pre-Professional Programs**

Pre-Dental Hygiene 93

Pre-Engineering 92

Pre-Law 93

Pre-Medical 94

Pre-Pharmacy 94

**Presidents, list of 221****Publications**

News Releases 26

Newspaper 26

Student Handbook 26

**R****Refunds 30****Repeated Courses 67****Reprive, Academic 68****S****Scholarship Regulations 70****Scholarships 48****Scholarships and Awards**

Need Based 52

Outstanding Student 46

Presidential 46

**Scholarships, Other 55**

American Association of University Women 55

Hugoton Lions Club 55

Panhandle Board of Realtors 55

Tri-County Electric Co-Operative 55

**224****Science, Mathematics, and Nursing, School of**

- Biology Studies 146
- Chemistry Studies 148
- Mathematics Studies 150
- Medical Technology Studies 153
- Nursing Programs 154
- Physics Studies 152

**Senior Citizen Fee Waiver 74****Sexual Harassment 26****Spanish 136****Staff 9****Student Accounts 30****Student Handbook 26****Student Organizations 57****Student Orientation 36****Student Services**

- Academic Advising 36
- Advanced Placement Program 38
- Counseling, Career Services, & Testing 36
- Credit for Training in Armed Forces 38
- Orientation 36

**Suspension 66**

- Suspension, Appeal of 66

**T****Teacher Education 120****Teacher Education Program 115****Textbooks 30****Transcripts 74****Transfer, Admission by 63****Tuition Costs 27****U****University College 82****W****Withdrawal, from the University 72****Withdrawal, Military 73**