

Program Review Executive Summary Template

<p>Institution Name: Oklahoma Panhandle State University Program Name and State Regents Code: Physical Science BS 018 List Any Options: Academic, Teaching Date of Review: 10/22/2021 Recommended Date of Next Review: Fall 2026</p>	
<p>Centrality to Institutional Mission: The program of Physical Science follows the Oklahoma Panhandle State University mission of “Rooted in “Progress through Knowledge,” OPSU is committed to promoting excellence in the preparation of students for success in a global community.” This is done through its goals, which align to the primary points of “progress through knowledge... in a global community” with a focus on oral and written communication, analytical and quantitative reasoning, and social responsibility and cultural awareness.</p>	
<p>Program Objectives and Goals: Goal 1: Oral and Written Communication: Communicate effectively using written, oral, and symbolic languages Student Learning Objectives: 1) Students will employ vocabulary of geology, physics and chemistry. 2) Students will orally communicate the major topics of earth science, chemistry, and physics. 3) Students will research and compose written assignments that demonstrate their understanding of the concepts of physical science. Goal 2: Analytical and Quantitative Reasoning: Read and think critically by analyzing, assimilating, and applying information Student Learning Objectives: 1) S Students will apply principles of scientific reasoning to observed phenomena. 2) Student will interpret the processes of physical sciences. Goal 3: Social Responsibility and Cultural Awareness: Be an aware and active participant in the global, dynamic community Student Learning Objectives: 1) S Students will analyze the influence of physical science principles and processes on humans. 2) Students will differentiate subjective and objective findings.</p>	
Quality Indicators Such As:	<p>Student benchmarks were met in all student-learning objectives at the time of the Program Review. Student evaluations and graduation evaluations were used to inspire more rubrics in the courses to better evaluate discussion. Learning environments for the student are becoming more effective. As a part of COVID-19 updates, Smart Boards were installed in classrooms that did not have them. Video cameras and projectors were also added to all classrooms to assist in distance learning. An Online College was formed and a Dean hired. A final assistance was to hire an instructional designer. The capacity of the program to meet needs and expectations of constituencies is met through subject matter and broad scope.</p>
Productivity for Most Recent 5 Years	<p>Number of Degrees: 0.25 average over past 4 years Number of Majors: 4.13 average over past 4 years</p>
Other Quantitative Measures Such As:	<p>Number of Courses for Major: 14-15 Student Credit Hours in Major: 51-56 2016/2017 Direct Instructional Costs: \$65366 2017/2018 Direct Instructional Costs: \$69431 2018/2019 Direct Instructional Costs: \$75831.91</p>

	2019/2020 Direct Instructional Costs: \$84946.76 2020/2021 Direct Instructional Costs: \$103018.34 Supporting Credit Hour Production: 573.38 average over past 4 years					
	Faculty Member	Credential	Institution			
	Beverly Meyer	Ph.D	Texas Tech University			
	Number of FTE faculty in specialized courses: 1					
Duplication and Demand	The Bachelor in Physical Science is a program that experiences very low demand. There are other comparable universities offering a similar program outside of the Oklahoma panhandle.					
Effective Use of Resources		2016/2017	2017/2018	2018/2019	2019/2020	2020/2021
	Cost to operate program per student credit hour	\$267.58	\$276.08	\$305.84	\$319.44	\$345.24
	Faculty/ student ratio	1/4	1/4.5	1/3	1/3.5	1/5.5
Strengths and Weaknesses	Strengths of the program include its broad scope and inclusive design. Students experience all areas of the earth sciences. The major weakness of the program is its broad scope. Students seem to not want to take so many “hard” science classes.					
Recommendations	Suspend program. Head of program rightly noticed a lack of desire by students in the program to want to do a physical science career over the last 5 or more years.					