

**SEMINOLE STATE COLLEGE
ASSOCIATE IN SCIENCE IN LIFE SCIENCES (210)**

Degree Program Evaluation for 2013-14

The information required to complete this annual evaluation process mirrors the information required by OSRHE Policy on Academic Program Review. Specifically, it covers the following Vitality of the Program items: (1) Program Objectives and Goals, (2) Quality Indicators, (3) Minimum Productivity Indicators, and (4) Other Quantitative Measures (for additional information see OSRHE Policy 3.7.5.B.1-4).

1. Program Objectives and Goals

Associate in Science in Life Sciences Degree Program Outcomes

Outcomes for Transfer Degree Programs

Outcome 1: Demonstrate successful articulation of Seminole State College transfer degree programs to state and professional institutions of higher learning granting professional and baccalaureate degrees in Oklahoma.

Outcome 2: Demonstrate successful academic achievement by Seminole State College transfer degree students at primary receiving state baccalaureate institutions of higher learning in Oklahoma. Successful academic achievement is defined as the maintenance of satisfactory academic progress toward degree completion as determined by the receiving institution.

Outcomes Specific to Associate in Science in Life Sciences

Outcome 3: Demonstrate a grasp of biological and related concepts foundational to advanced courses in Life Sciences. Advanced courses shall be defined as courses commonly considered Junior and Senior level at baccalaureate degree granting institutions.

Outcome 4: Demonstrate preparation for continued pursuit of Life Science education leading to a baccalaureate or professional degree in a branch of the Life Sciences.

2. Quality Indicators

**Combined Course Embedded Assessment Results For Fall 2013 and Spring 2014
for Major Field Courses in Degree Program**

General Education Outcomes	Pre-Test % Correct	Post-Test % Correct	Difference
General Education Outcome 1	33%	61%	28%
General Education Outcome 2	33%	60%	27%
General Education Outcome 3	39%	54%	15%
General Education Outcome 4	33%	44%	11%
Specific Outcomes for AS Life Sciences	Pre-Test % Correct	Post-Test % Correct	Difference
Degree Program Outcome 3	34%	61%	27%
Degree Program Outcome 4	32%	59%	27%

Other Data Indicating Quality Relevant to Degree Program Major Field

Student Feedback on Instruction:

The average response scores from the Student Feedback on Instruction for the Math/Science/Engineering Division ranged from 4.29 to 4.76 for the rated scale questions. Therefore, all of the averaged responses fell between “usually applies” and “almost always applies” with those responses describing desired attributes or behaviors. The average MSE response score for all the rated scale questions was 4.58.

Graduate Exit Survey:

Overall, students rated their academic experience favorably with 80.9% of the students rating “quality of teaching in your major field of study” as excellent or above average. More than 80% of students rated “faculty concern for student well-being” and “faculty commitment to student success and learning” as excellent or above average.

Collegiate Assessment of Academic Proficiency (CAAP) Test:

The Science portion of the CAAP test was 0.2 of a point below the national mean. However, the previous year score was 1.4 points below the national mean. Therefore, the Science gained from the previous year.

The Mathematics portion of the CAAP test was 0.3 of a point above the national mean for the current year.

Other Quality Indicators:

3. Minimum Productivity Indicators

Productivity Indicators

Academic Year	Semester	Declared Majors	Graduates
2013-14	Summer 2013	7	0
	Fall 2013	32	1
	Spring 2014	19	1

Does the degree program meet the minimum OSRHE standards for productivity this year?

Majors Enrolled (25 per year): Yes

Degree Conferred (5 per year): No

Comments/Analysis:

Low Productivity Justification:

4. Other Quantitative Measures

Number of Sections Taught and Enrollment for Each Course in Major Field of Degree Program

Prefix	Number	Major Field Course Title	Number of Sections	Total Students	Ave. Class Size	Total Credit Hours Generated
ANAT	2114	Human Anatomy	4	103	21	412
BIOL	1214	Principles of Biology	7	202	29	808
BIOL	2113	Introduction to Nutrition	3	61	20	183
BIOL	2214	Human Physiology	5	87	17	348
BOT	1114	General Botany	1	9	9	36
CHEM	1315	General Chemistry I	3	74	25	370
MICR	2224	Microbiology	3	77	26	308
ZOO	1114	General Zoology	2	67	34	268

Credit Hours Generated in Major Field Courses of Degree Program By Level (from table above)

Academic Year	1000 Level Credit Hours Generated	2000 Level Credit Hours Generated
2013-14	1482	1251

Note: Credit Hours Generated columns represent the student credit hours generated by all the major field courses of the degree program for the given academic year. The hours do not represent the number of student credit hours generated only by those students declaring this major.

Direct Instructional Costs

Academic Year	Instructional Costs*	Costs Shown By Division or Program?
2013-14	\$423,548	Science Division

*When cost data are not available by degree program, use total division budget for instructional costs for each degree program.

Credit Hours Generated by Courses in Major Field That Are Part of General Education Requirements in Other Degree Programs

Major Field Course Information			
Prefix	Number	Title	Credit Hours Generated
BIOL	1114	General Biology	780
BIOL	1214	Principles of Biology	412
BOT	1114	General Botany	36
ZOO	1114	General Zoology	268

Faculty Teaching Major Field Courses in Degree Program

Name	Teaching Area	Highest Degree	Institution
Allen, Matthew	Science	Ph.D.	Oklahoma State University
Helseth, Dave	Science	M.S.	Oklahoma State University
Jobe, Noble	Science	Ph.D.	Oklahoma State University
Mills, Tom	Science	Ph.D.	University of Houston
Rush, Loretta	Science	M.Ed.	East Central University

Current Full-Time Faculty From Other Divisions Teaching Major Courses in Degree Program (Instructors with ** beside their name teach only zero-level classes)

Stiefer, Nick	Science	B.S.	Emporia State Univeristy

Current Adjunct Faculty Teaching Major Courses in Degree Program (Instructors with ** beside their name teach only zero-level classes)

Hernandez, T	Science	M.Ed.	Grand Canyon University, Phoenix
Morlan, L			
Walker, Susan	Science	M.S.	Oklahoma State University
Williams, Beverly	Science	M.S.	East Central University
Wilson, Barbara	Science	M.S. & M.Ed.	OU / East Central University

5. Recommendations and Other Relevant Items: Describe recommendations, new developments or initiatives pertaining to degree program.

Maintain program at current level.