

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

**Degree Program Evaluation for 2012-13**

*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 2012 and Spring 2013 for Major Field Courses in Degree Program

General Education Outcomes	Pre-Test % Correct	Post-Test % Correct	Difference
General Education Outcome 1	32%	64%	32%
General Education Outcome 2	32%	63%	31%
General Education Outcome 3	42%	71%	29%
General Education Outcome 4	37%	62%	29%
Specific Outcomes for AS Life Sciences	Pre-Test % Correct	Post-Test % Correct	Difference
Degree Program Outcome 3	33%	63%	31%
Degree Program Outcome 4	32%	63%	31%

#### **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 4.25 to 4.65 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 response score for all the rated scale questions was 4.47. The average response score for rated scale questions pertaining only to online courses was 4.33.

**Graduate Exit Survey:** No relevant current data available.

**Collegiate Assessment of Academic Proficiency (CAAP) Test:** Over the past five years, the Science portion of the CAAP test was only 0.1 point below the national mean. However, the current year score was 1.4 points below the national mean.

**Community College Survey of Student Engagement:** Sixty-two percent of SSC students responded often or very often to the student-faculty interaction of discussing grades or assignments with an instructor as compared to 50.1% for students in the cohort schools. Instructors in the MSE Division encourage student-faculty interaction and frequently discuss grades with students.

**Faces of the Future Survey:** No relevant current data available.

**Other Quality Indicators:** No relevant current data available.

### 3. Minimum Productivity Indicators

#### Productivity Indicators

Academic Year	Semester	Declared Majors	Graduates
2012-13	Summer 2012	-	-
	Fall 2012	27	-
	Spring 2013	31	7
<b>Total Graduates</b>			<b>7</b>

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

Majors Enrolled (25 per year): Yes

Degree Conferred (5 per year): Yes

Comments/Analysis: The degree program meets minimum productivity requirements.

Low Productivity Justification: NA

### 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	104	26	416
BIOL	2113	Introduction to Nutrition	3	61	20	183
BIOL	2214	Human Physiology	7	111	16	444
BOT	1114	General Botany	1	14	14	56
CHEM	1315	General Chemistry I	3	76	25	380
MICR	2224	Microbiology	3	69	23	276
ZOO	1114	General Zoology	2	59	30	236

#### Credit Hours Generated in Major Field Courses By Level

Academic Year	1000 Level Credit Hours Generated	2000 Level Credit Hours Generated
2012-13	672	1319

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?
2012-13	\$497,559.51	Science Department/MSE 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 of Degree Program That Are Part of General Education Requirements in Other Degree Programs**

Major Field Course Information				
Prefix	Number	Title	Total Students	Credit Hours Generated
BIOL	1114	General Biology	210	840
BIOL	1214	Principles of Biology	140	560
BOT	1114	General Botany	14	56
ZOO	1114	General Zoology	59	236

**Faculty Teaching Major Field Courses in Degree Program**

Name	Teaching Area	Highest Degree	Institution
Eberhart, Lori	Science	M.S.	Oklahoma State University
Helseth, Dave	Science	M.S.	Oklahoma State University
Jobe, Noble	Science	Ph.D.	Oklahoma State University
Laule, Gerhard	Science	M.S.	University of Arkansas
Mills, Tom	Science	Ph.D.	University of Houston
Rush, Loretta	Science	M.Ed.	East Central University
<b>Current Full-Time Faculty From Other Divisions Teaching Major Courses in Degree Program (Instructors with ** beside their name teach only zero-level classes)</b>			
-	-	-	-
<b>Current Adjunct Faculty Teaching Major Courses in Degree Program (Instructors with ** beside their name teach only zero-level classes)</b>			
Amos, Ryan	Science	M.S.	East Central University
Walker, Susan	Science	M.S.	Oklahoma State 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.

