SEMINOLE STATE COLLEGE

ASSOCIATE IN SCIENCE IN COMPUTER SCIENCE (226)

2015-16 Degree Program Evaluation

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 of Science in Computer Science 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 Computer Science

Outcome 3: Demonstrate problem-solving skills related to the world of information systems.

Outcome 4: Demonstrate preparation for continued pursuit of courses leading to a baccalaureate degree in Information Systems.

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2. Quality Indicators

Combined Course Embedded Assessment Results For Fall 2015 and Spring 2016 for Major Field Courses in Degree Program

General Education Outcomes	Pre-Test % Correct	Post-Test % Correct	Difference
General Education Outcome 1	33%	81%	48%
General Education Outcome 2	34%	80%	46%
General Education Outcome 3	33%	81%	48%
General Education Outcome 4	38%	77%	39%
Specific Outcomes for AS Computer Science	**Pre-Test % Correct**	**Post-Test % Correct**	**Difference**
Degree Program Outcome 3	34%	81%	47%
Degree Program Outcome 4	34%	81%	47%

Other Data Indicating Quality Relevant to Degree Program Major Field

Degree Program Enrollment by Ethnicity

Academic Year	Ethnicity	Summer 2015		Fall 2015		Spring 2016	
2015-16	Total Students	5	100%	31	100%	31	100%
[redacted]	Black	1	20%	2	6%	1	3%
	Indian	0	0%	5	16%	9	29%
	Asian	0	0%	0	0%	0	0%
	Hispanic	0	0%	3	10%	2	6%
	Hawaiian/Pacific Islander	0	0%	0	0%	0	0%
	White	2	40%	19	62%	19	62%
	Undeclared	2	40%	2	6%	0	0%

Degree Program Enrollment by Gender

Academic Year	Gender	Summer 2015	Fall 2015	Spring 2016
2015-16	Male	3	26	27
[redacted]	Female	2	5	4

Student Feedback on Instruction:
The average response scores from the Student Feedback on Instruction ranged from 4.50 to 4.78 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.

Graduate Exit Survey:
Overall, students rated their academic experience favorably with 84% of the students rating "quality of teaching in your major field of study" as excellent or above average. More than 82% 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 0.1 of a point below the national mean.

The Mathematics portion of the CAAP test was 0.5 of a point below the national mean for the current year.

Community College Survey of Student Engagement:
No longer used

Faces of the Future Survey: no longer used

Other Quality Indicators: none

3. Minimum Productivity Indicators

Productivity Indicators

Academic Year	Semester	Declared Majors	Graduates
2015-16	Summer 2015	5	1
	Fall 2015	26	0
	Spring 2016	27	6

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:

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
CAP	1003	Elementary Computer Literacy	2	12	6	36
CS	1113	Programming in Visual Basic	2	26	13	78
CS	1313	Programming in Java (not offered this period)				
CS	1173	Hardware System Support (not offered this period)				
CS	1183	Information Security	2	26	13	78
ENGR	1113	Introduction to Engineering	2	23	12	69
MATH	1613	Plane Trigonometry	2	31	16	93
ACCT	2033	Financial Accounting	5	80	16	240
BA	2113	Macroeconomics	4	82	21	246
BA	2253	Business Statistics	6	103	17	309
CAP	2603	Advanced Microsoft Access	1	10	10	30
CAP	2643	Advanced Microsoft Excel	2	2	1	6
CS	2003	Web Page Design Using HTML	1	12	12	36
CS	2013	Programming in C++	1	19	12	57
CS	2173	Operating Systems	1	12	12	36
CS	2300	Special Projects in Computer Science (not offered this period)				
MATH	2215	Calculus and Analytic Geometry I	2	28	14	84
MATH	2424	Calculus and Analytic Geometry II	1	8	8	24
MATH	2434	Calculus and Analytic Geometry III (not offered this period)				

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
2015-16	354	1068

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?
2015-16	$76,959.75	Computer Science Program

*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**
		na	

Faculty Teaching Major Field Courses in Degree Program

Name	Teaching Area	Highest Degree	Institution
Chun Fu Cheng	Information Systems	MBA Management	Oklahoma City University
Tammy Kasterke	Information Systems	MBA Management	Cameron University
Brad Schatzel	Business/Information Systems	MBA Management	University of Central Oklahoma
Current Full-Time Faculty From Other Divisions Teaching Major Courses in Degree Program (Instructors with ** beside their name teach only zero-level classes)			
Melissa Bryant	Mathematics	M.Ed.	East Central University
Linda Goeller	Mathematics	Ph.D.	Oklahoma State University
Michael Schnell	Information Systems	Information	Florida Institute of Technology
Current Adjunct Faculty Teaching Major Courses in Degree Program (Instructors with ** beside their name teach only zero-level classes)			
Fred Bunyan	Accounting/Business/Information	MS Business Education	Oklahoma State University
David Dickens	Business	MS Management	Southern Nazarene University
Michael Schnell	Information Systems	Information Technology	Florida Institute of Technology
Annette Troglin	Mathematics	M.Ed.	East Central University

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

Maintain current status of program.