SEMINOLE STATE COLLEGE
ASSOCIATE IN SCIENCE IN COMPUTER SCIENCE (226)
Program Review Executive Summary

Date of Review: Fall 2018	**Recommended Date of Next Review:** Fall 2023

The Associate in Science in Computer Science Degree Program is central to the Seminole State College mission in the following ways:

Empowers people for academic success by preparing students for a range of careers involving Business and at the same time improve their critical thinking skills necessary for success in all studies. **Empowers people for personal development** by training students to set and achieve educational goals by developing responsibility, organizational skills, and academic skills. The program places students in appropriate college level courses, allowing students the opportunity to progress through the curriculum to achieve success.
Empowers people for life-long learning by providing a variety of courses that vary in content and have the purpose of broadening a student's appreciation of and creating a desire for continued learning once they have completed their education at SSC.

Program Objectives and Goals: Outcomes Specific to Associate in Computer Science (226)

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.

Quality Indicators Such As:	
– **Student Learning Outcomes** – **Effective Teaching** – **Effective Learning Environments** – **Capacity to Meet Needs of Constituencies**	• Course-embedded assessment of general education outcomes 1-3 showed an averaged increase from 57% to 88% and outcome 4 showed an increase from 46 % to 88% when pre-test and post-test scores were compared. An average increase of 31% and 42% percentage points. Course-embedded assessment of degree program outcome 3 showed an average increase from 57% to 88% , and outcome 4 showed an average increase from 57% to 82% when pre-test and post-test scores were compared. Students displayed a good base knowledge of the subject with almost passing knowledge of 60% in three of the General Education Outcomes and both Degree Program Outcomes. The post-test average scores of above 80% demonstrate an adequate gain of knowledge in all major field courses. • SSC is committed to creating effective learning environments with technology, increased tutoring and other academic support, and the development of a variety of delivery methods such as blended, online courses, and ZOOM courses. • The Computer Science Degree Program is meeting the demands of the service area with approximately 25 declared majors and 5 graduates per year.
Productivity for Most Recent 5 Years	**Number of Degrees:** 23 **Number of Majors:** 137
Other Quantitative Measures:	**Number of Courses for Major:** 5

- **Number of Courses for Major** - **Student Credit Hour in Major** - **Direct Instructional Costs** - **Roster of faculty members including the number of FTE faculty in the specialized courses within the curriculum**	**Student Credit Hours in Major:** 645 for total of review period (Includes non-major enrollees) **Direct Instructional Costs:** $2,270,188 for review period (Total for STEM Division) **Roster of Computer Science Faculty:**

Table 8. Current Business & Information System Division Faculty

Full-Time Faculty			
Name	Teaching Area	Highest Degree	Institution
NA			
Current Full-Time Faculty From Other Divisions Teaching B & IS Classes			
Brad Schatzel	Business	MBA	University of Central Oklahoma
Current Adjunct Faculty			
Michael Schnell	Computer Science	MS	Florida Institute of Technology

Duplication and Demand	Degree program does not duplicate programs in the service area. Demand is moderate.
Effective Use of Resources	The STEM Division maximizes productivity using the available physical, technical, financial and personnel resources.
Strengths and Weaknesses	*Strengths:* Faculty members are experienced, motivated, qualified, and caring instructors that work to coordinate course content to insure a proper background for their students. The size of SSC allows for smaller class sizes and more one on one involvement with the students. *Weaknesses:* During the past five years, Seminole State College, along with every public education institution in Oklahoma, has faced serious budget cuts which has severely limited resources. The Computer Science degree program needs a full-time instructor to provide the attention the program needs to expand. Scheduling and offering classes that have computer lab components is becoming a problem due to limited computer lab space. Basic equipment depreciation.
Recommendations	• Increase student and awareness of the articulation agreements between colleges and universities in the state system and the advantage of receiving an associate degree before transferring to a four-year institution. • Implement and improve the process for higher student enrollment in the Computer Science Degree Program. • Implement degree completion initiative that involves degree planning and tracking procedures for students that require students to experience increased, high quality one on one interaction and mentorship with Computer Science faculty.