

Focus Area: STEM

The Science, Technology, Engineering and Mathematics (STEM) Focus Area is the perfect place for students interested in sciences, engineering, mathematics or computers. With a STEM degree, students can transfer to major universities to become medical doctors, pharmacists, marine biologists, petroleum engineers, computer programmers, and forensic scientists, to name just a few valuable professions. The goal of this focus area pathway is to encourage the development of a strong curricular foundation in STEM while allowing the student to explore areas of interest more deeply through a selection of focus classes. Academic advisement for this area is provided by the School of Sciences.

First Year

Fall Semester	Hrs
ENGL 1101 - Composition I	3
MATH 1113 - Pre-Calculus	4
CHEM 1211 - Principles of Chemistry I	4
PHED Course	1
SGSC 1000 - South Georgia State College Orientation and Success	1
Area B/C/E Course	3
TOTAL	16

Spring Semester	Hrs
ENGL 1102 - Composition II	3
HLTH 1103-Contemporary Health Issues	2
CHEM 1212 - Principles of Chemistry I	4
BIOL 2107 - Principles of Biology I	4
PHED Course	1
Area B/C/E Course	3
TOTAL	17

Milestones:

Math and English courses require a grade of “C” or better and must be finished within the first 30 hours.

First-year overall GPA should be 2.0 or higher.

Milestone Classes MATH 1113, CHEM 1211 and BIOL 2107 (need a C or higher to do well in the program).

Focus courses are taken within the first 30 hours to give a feel of the chosen pathway

Required for all First Time, Full Time Students

Second Year

Milestones:

At this point you should move over to a pathway in your area of interest.

Focus area pathways enable students who are undecided in their future studies and/or career goals to start in a pathway relative to their interests that can lead to a viable degree program. Courses taken in the focus area pathways are designed to assist students in making choices best suited to their interests and skills. Thus, as students progress in focus area pathways, they should be able to transition into appropriate academic pathways designed for transfer or degree attainment.

FOCUS AREA: STEM

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****AREA A - Essential Skills**

ENGL 1101	3
ENGL 1102	3
MATH 1113	4*
	<u>9</u> hours

AREA B - Institutional Options

DVRS 1101	1
Select one of the following: ANTH 1102, 1104; COMM 1100, 1110, 2000, 2010; HIST 1111, 1112; POLS 2401; SOCI 2501; SABR 2001.....	<u>3</u>
	4 hours

AREA C - Humanities/Fine Arts

Select one of the following: ENGL 2111, 2112, HUMN 2111, 2112	3
Select one of the following: ARTS 2205; ENGL 2111, 2112, 2121, 2122, 2131, 2132; HUMN 2111, 2112; MUSI 1100; PHIL 2010; THEA 1100; or any three-hour foreign language	<u>3</u>
	6 hours

AREA D - Science, Mathematics, Technology

CHEM 1211K/1212K.....	8
MATH 2253	4*
	11 hours

AREA E - Social Sciences

HIST 2111 or 2112	3
POLS 1101	3
Select two of the following: ECON 2105, 2106; HIST 1121, 1122, 2100, 2111, 2112, 2200, 2220; POLS 2100, 2200, 2401; PSYC 1101, 2101, 2201, 2103; SOCI 1101, 1160, 2293	6
	12 hours

****AREA F - Courses Related to the Program of Study**

BIOL 2107K.....	4
BIOL 2108K.....	4
PHYS 2211K	4
PHYS 2212K	4
Two excess hours from Areas A and D	<u>2</u>
	18 hours

Physical Education Requirements

HLTH 1103	2
Physical Education	2
	4 hours
	TOTAL 64 hours

Focus Courses (to be taken within the first 30 hours):

MATH 1113	4
CHEM 1211K	4
BIOL 2107K.....	4

*One excess hour in both Area A and D used in Area F

**All Courses in Areas A and F require a grade of "C" or higher