

Program Description:

SFSC awards the A.A. degree upon completion of a prescribed program designed as the first two years of a Baccalaureate program within the Florida public college and university systems. According to the Florida Articulation Agreement, earning an A.A. degree indicates that you have met the general education requirements for admission to the upper division of Florida's public college and universities and will be admitted with full junior standing, provided you have met the State competency requirements, paid all fees, and met academic standards.

Contacts:

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Program Navigator: Davida Austin

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Program Map to choose courses, with your program navigator's assistance, and track your progress toward milestones and the completion of the program. Plans can be modified to fit the needs of part-time students.

Pre-Degree Requirements – Recommendations for Success

If college placement scores indicate the need for any preparatory courses, these are to be taken before the student completes 12 college credits. ENC0015C/L; ENC0025C/L; MAT0018C/L; MAT0028C/L; REA0007C/L; REA0017C/L.

Recommended Soft Skills

Communication, Teamwork, Adaptability, Problem Solving, Critical Thinking, Creativity, Interpersonal Skills, Work Ethic, Time Management, Attention to Detail, Leadership, Conflict Management, Stress Management, Personal Productivity, Company Culture.



Common First Term – Recommended by Program

Year 1 Fall Term

Check when complete	Course Number	Title	CR	Terms Offered	Prerequisites/Notes
<input type="checkbox"/>	ENC 1101	Freshman English I	3	F Sp Su	GE
<input type="checkbox"/>		General Science Course	4	F Sp Su	GE. At least 1 course must include a LAB
<input type="checkbox"/>	SLS 1106	First Year Experience Seminar	1	F Sp Su	
<input type="checkbox"/>	MAC 2311	Calculus I with Analytic Geometry	4	F Sp Su	GE. Prerequisite: MAC1147 with a grade of C or higher, or MAC1114 AND MAC1140
<input type="checkbox"/>	POS 1041	American National Government	3	F Sp Su	Or AMH1020 Introductory Survey since 1877
Total Semester Credit Hours =			15		

Year 1 Spring Term					
Check when complete	Course Number	Title	CR	Terms Offered	Prerequisites/Notes
<input type="checkbox"/>	ENC 1102	Freshman English II	3	F Sp Su	GE
<input type="checkbox"/>		General Science Course	4	F Sp Su	GE. At least 1 course must include a LAB
<input type="checkbox"/>	MAC 2312	Calculus II	4	F Sp	GE. Prerequisite: MAC2311 with a grade of C or higher
<input type="checkbox"/>		Core Humanities	3	F Sp Su	
<input type="checkbox"/>	CGS1100C	Introduction to Microcomputers	3	F Sp Sum	
Total Semester Credit Hours =			17		

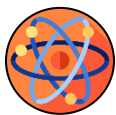
Year 1 Summer Term					
Check when complete	Course Number	Title	CR	Terms Offered	Prerequisites/Notes
<input type="checkbox"/>	MAC2313	Calculus III	4	Su	GE. Prerequisite: MAC2312 with a grade of C or higher
Total Semester Credit Hours =			4		

Year 2 Fall Term					
Check when complete	Course Number	Title	CR	Terms Offered	Prerequisites/Notes
<input type="checkbox"/>		Core or Elective Humanities	3	F Sp Su	GE
<input type="checkbox"/>	SPC2608	Fundamentals of Speech Communications	3	F Sp Su	
<input type="checkbox"/>		Elective	3		
<input type="checkbox"/>		Elective	3		
Total Semester Credit Hours =			12		

Year 2 Spring Term					
Check when complete	Course Number	Title	CR	Terms Offered	Prerequisites/Notes
<input type="checkbox"/>	MAP2302	Differential Equations	3	Sp	GE. Prerequisite: MAC2312 with a grade of C or higher
<input type="checkbox"/>	COP2224	Introduction to C++ Programming	3	Sp	Prerequisite: CGS1100C
<input type="checkbox"/>		Core or Elective Social Science	3	F Sp Su	
<input type="checkbox"/>	ENC2210	Technical Writing	3	Sp	
Total Semester Credit Hours =			12		

Please always check online at southflorida.edu/current-students/college-catalog or meet with your academic advisor or program navigator to ensure that you are viewing the latest and most accurate information.

NOTE: This map is easy to customize to part-time and specialized schedules. Meet with your program navigator to discuss these options.



Career Resources

SFSC's Career Development Center website provides detailed, guided information on career exploration and transfer programs: southflorida.edu/current-students/career-development-center.

Career Information

Common Job Titles

This pathway prepares students to transfer as a junior to a Florida public university to complete a bachelor's degree in Mathematics. After earning a bachelor's degree in one of these majors at a four-year university, graduates may find employment as a professional engineer in one of many areas, such as aerospace, biomedical, civil, industrial, or mechanical, among others.

Florida State statistics:

Occupational code	Occupational Title	Employment	Median Hourly Wage	Mean Hourly Wage	Annual Mean Wage
17-2011	Aerospace Engineers	3,510	\$51.27	\$52.67	\$109,540
17-2021	Agricultural Engineers	50	\$40.75	\$38.78	\$80,670
17-2031	Bioengineers and Biomedical Engineers	1,130	\$42.02	\$43.81	\$91,130
17-2041	Chemical Engineers	330	\$45.38	\$46.97	\$97,690
17-2051	Civil Engineers	16,250	\$40.32	\$42.83	\$89,090
17-2061	Computer Hardware Engineers	3,930	\$49.32	\$49.33	\$102,610
17-2071	Electrical Engineers	6,880	\$46.00	\$47.71	\$99,240
17-2072	Electronics Engineers, Except Computer	5,680	\$48.13	\$49.21	\$102,350
17-2081	Environmental Engineers	1,860	\$36.74	\$39.40	\$81,950
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	1,220	\$38.28	\$40.15	\$83,520
17-2112	Industrial Engineers	10,500	\$39.19	\$41.52	\$86,370
17-2121	Marine Engineers and Naval Architects	490	\$36.45	\$38.61	\$80,310
17-2131	Materials Engineers	610	\$46.65	\$46.24	\$96,170
17-2141	Mechanical Engineers	8,040	\$40.79	\$43.12	\$89,700
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	150	\$57.65	\$56.80	\$118,140
17-2161	Nuclear Engineers	(8)	\$51.67	\$52.20	\$108,570
17-2171	Petroleum Engineers	(8)	\$86.80	\$77.26	\$160,710
17-2199	Engineers, All Other	7,550	\$46.43	\$47.36	\$98,510

Career and Labor Market Research Tools

https://www.bls.gov/oes/current/oes_fl.htm#15-0000
<https://www.bls.gov/ooh/math/mathematicians-and-statisticians.htm>
<https://www.bls.gov/ooh/math/actuaries.htm>



Transfer Resources

Local University Guaranteed Admission Agreements:

Florida Agricultural and Mechanical University (FAMU): admissions.famu.edu/index.php/transfer

Florida Polytechnic University: floridapoly.edu/admissions/transfer/

University of South Florida (USF) – Fuse: usf.edu/undergrad/transfer-student-success/fuse/

Legend

GPS Coach = the individual who assists with your orientation to SFSC and gets you started on your path.

Academic Advisor = the individual who helps you plan your coursework and recommends the best path for you.

Program Navigator = the individual who keeps you on your path and leads you all the way to graduation.