



Associate in Arts (AA) Computer Engineering Transfer Intent

This Program Map is Part of the **Science, Technology, Engineering, and Mathematics Pathway**

This Program Map is for students who plan to earn an AA degree at Polk State College and transfer to select public universities in Florida including Florida A&M University, Florida State University, University of Central Florida, University of Florida, and University of South Florida and earn a bachelor's degree in Computer Engineering. This Program Map is intended to serve as a guide, and students should always meet with their Student Success Advisor to develop a personalized Educational Plan.

Program Map for Students Attending Full-Time

Term	Course ID	Course Title	Credits
Term 1	SLS 1122	First-Year Experience	3 Credits
	ENC 1101	College Composition I	3 Credits
	MAC 1105	College Algebra (See Note 1)	3 Credits
	CGS 1061	Introduction to Computers	3 Credits
Term 2	ENC 1102	College Composition II	3 Credits
	CHM 1045C	General Chemistry I	4 Credits
	MAC 1147	Precalculus Algebra/Trigonometry (See Note 2)	5 Credits
	COP 1000	Introduction to Programming	3 Credits
Term 3	Humanities	Humanities General Education Course	3 Credits
	Civic Literacy	Civic Literacy/Social Sciences General Education Course (See Note 3)	3 Credits
Term 4	COP 2224 or COP 2800	Programming in C++ or Programming Java	3 Credits
	MAC 2311	Calculus I	5 Credits
	LIT 1000	Introduction to Literature	3 Credits
	HUM 2020	Introduction to Humanities	3 Credits
Term 5	MAC 2312	Calculus II	5 Credits
	PHY 2048C	General Physics I with Calculus	5 Credits
	Social Sciences	Social Sciences General Education Course	3 Credits
	HLP 1081	Wellness Concept1s	2 Credits
Term 6	MAC 2313	Calculus III	5 Credits
Term 7	MAP 2302	Differential Equations	3 Credits
	PHY 2049C	General Physics II with Calculus	5 Credits

Total Required Program Credit Hours: 60

Total Program Map Credit Hours: 75 (See Note 4)

A Few Notes:

1. Students must earn an appropriate score on a placement examination or complete MAT 1033 Intermediate Algebra to enroll in MAC 1105 College Algebra.
2. Students must earn a grade of A or B in MAC 1105 to enroll in MAC 1147. Students may also take MAC 1114 and MAC 1140 instead of MAC 1147.
3. Pursuant to Rule 6A-10.02413 of the Florida Administrative Code, all degree-seeking students must demonstrate competency in civic literacy by both passing the Florida Civic Literacy Exam and by completion of AMH 1010 (History of the United States: 1607-1877), AMH 1020 (History of the United States: 1877 to the Present) or POS 2041 (American National Government).



Students may also use AP or CLEP credit for one of the three-course options.

4. The AA degree requires the completion of 60 credit hours, including 36 credit hours of General Education courses and 24 credit hours of elective courses. This transfer intent requires the completion of additional courses to meet all pre-requisites for admission into a bachelor's degree program at a state university. These additional courses are in excess of required program hours and may not be covered by financial aid. Students should speak to their Student Success Advisor for more information.
5. Students must meet all graduation requirements, including demonstrating proficiency in a foreign language. To learn more about graduation requirements, [please refer to the College Catalog](#).

CIP: 14.0901 – **2024-2025 Catalog Year (tentative)**

Additional Information



Career Coach

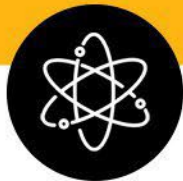
Are you interested in learning more about the careers this program will prepare you for? If so, check out Career Coach. Career Coach provides information on job openings, wages, education requirements, required skills, and job postings. You can even complete a career assessment to find careers that match your interests. To learn more about the careers that this program will prepare you for, [please visit Career Coach](#).



Polk State Pathways

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Program Map for Students Attending Part-Time

Term	Course ID	Course Title	Credits
Term 1	SLS 1122	First-Year Experience	3 Credits
	ENC 1101	College Composition I	3 Credits
Term 2	MAC 1105	College Algebra (See Note 1)	3 Credits
	CGS 1061	Introduction to Computers	3 Credits
Term 3	ENC 1102	College Composition II	3 Credits
	COP 1000	Introduction to Programming	3 Credits
Term 4	CHM 1045C	General Chemistry I	4 Credits
	MAC 1147	Precalculus Algebra/Trigonometry (See Note 2)	5 Credits
Term 5	MAC 2311	Calculus I	5 Credits
	LIT 1000	Introduction to Literature	3 Credits
Term 6	Civic Literacy	Civic Literacy/Social Sciences General Education Course (See Note 3)	3 Credits
	MAC 2312	Calculus II	5 Credits
Term 7	Social Sciences	Social Sciences General Education Course	3 Credits
	MAC 2313	Calculus III	5 Credits
Term 8	HUM 2020	Introduction to Humanities	3 Credits
	PHY 2048C	General Physics I with Calculus	5 Credits
Term 9	COP 2224 or COP 2800	Programming in C++ or Programming Java	3 Credits
	HLP 1081	Wellness Concepts	2 Credits
Term 10	MAP 2302	Differential Equations	3 Credits
	Humanities	Humanities General Education Course	3 Credits
Term 11	PHY 2049C	General Physics II with Calculus	5 Credits

Total Required Program Credit Hours: 60

Total Program Map Credit Hours: 75 (See Note 4)

A Few Notes:

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completion of additional courses to meet all pre-requisites for admission into a bachelor's degree program at a state university. These additional courses are in excess of required program hours and may not be covered by financial aid. Students should speak to their Student Success Advisor for more information.

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