



## 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
<b>Term 1</b> <b>12 Credits</b>	SLS 1122	First-Year Experience	3 Credits
	ENC 1101	College Composition I	3 Credits
	MAC 1105	College Algebra (See Note 2)	3 Credits
	CGS 1061	Introduction to Computers	3 Credits
<b>Term 2</b> <b>15 Credits</b>	ENC 1102	College Composition II	3 Credits
	CHM 1045C	General Chemistry I	4 Credits
	MAC 1147	Precalculus Algebra/Trigonometry (See Note 3)	5 Credits
	COP 1000	Introduction to Programming	3 Credits
<b>Term 3</b> <b>6 Credits</b>	Humanities	Humanities General Education Course	3 Credits
	LIT 1000	Introduction to Literature	3 Credits
<b>Term 4</b> <b>14 Credits</b>	COP 2224, or COP 2800	Programming in C++, or Programming Java	3 Credits
	MAC 2311	Calculus I	5 Credits
	Social Sciences	Social Sciences General Education Course	3 Credits
	HUM 2020	Introduction to Humanities	3 Credits
<b>Term 5</b> <b>15-16 Credits</b>	MAC 2312	Calculus II	5 Credits
	PHY 2048C	General Physics I with Calculus	5 Credits
	Social Sciences	Social Sciences General Education Course	3 Credits
	Wellness	Wellness General Education Course	2-3 Credits
<b>Term 6</b> <b>5 Credits</b>	MAC 2313	Calculus III	5 Credits
<b>Term 7</b> <b>8 Credits</b>	MAP 2302	Differential Equations	3 Credits
	PHY 2049C	General Physics II with Calculus	5 Credits

**Total Credit Hours: 75-76**

#### A Few Notes:

1. 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](#). Some students must also demonstrate competency in civic literacy. To learn more about the civic literacy requirement, [please refer to the College Catalog](#).
2. Students must earn an appropriate score on a placement examination or complete MAT 1033 in order to enroll in MAC 1105.
3. 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.

CIP: 14.0901 - 2018-2019 Catalog Year



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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 2)	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 3)	5 Credits
Term 5	MAC 2311	Calculus I	5 Credits
	LIT 1000	Introduction to Literature	3 Credits
Term 6	Social Sciences	Social Sciences General Education Course	3 Credits
	HUM 2020	Introduction to Humanities	3 Credits
Term 7	Social Sciences	Social Sciences General Education Course	3 Credits
	MAC 2312	Calculus II	5 Credits
Term 8	MAC 2313	Calculus III	5 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
	Wellness	Wellness General Education Course	2-3 Credits
Term 10	MAP 2302	Differential Equations	3 Credits
	PHY 2049C	General Physics II with Calculus	5 Credits
Term 11	Humanities	Humanities General Education Course	3 Credits

**Total Credit Hours: 75-76**

#### A Few Notes:

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- Students must earn an appropriate score on a placement examination or complete MAT 1033 in order to enroll in MAC 1105.
- 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.

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