



Associate in Arts (AA) Mechanical 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 Florida A&M University, Florida Atlantic University, Florida International University, or Florida Polytechnic University and earn a bachelor's degree in Civil 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 12 Credits	SLS 1122	First-Year Seminar	3 Credits
	ENC 1101	College Composition I	3 Credits
	MAC 1105	College Algebra (See Note 2)	3 Credits
	Social Sciences	Social Sciences General Education Course	3 Credits
Term 2 15 Credits	ENC 1102	College Composition II	3 Credits
	CHM 1045C	General Chemistry I	4 Credits
	MAC 1147	Precalculus Algebra/Trigonometry (See Note 3)	5 Credits
	HUM 2020	Introduction to Humanities	3 Credits
Term 3 5 Credits	MAC 2311	Calculus I	5 Credits
Term 4 15-16	Wellness	Wellness General Education Course	2-3 Credits
	MAC 2312	Calculus II	5 Credits
	LIT 1000	Introduction to Literature	3 Credits
	PHY 2048C	General Physics I with Calculus	5 Credits
Term 5 13 Credits	MAC 2313	Calculus III	5 Credits
	PHY 2049C	General Physics II with Calculus	5 Credits
	Humanities	Humanities General Education Course	3 Credits
Term 6 6 Credits	MAP 2302	Differential Equations	3 Credits
	Social Sciences	Social Sciences General Education Course	3 Credits

Total Credit Hours: 66-67

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: 14.1901 - 2018-2019 Catalog Year



Associate in Arts (AA) Mechanical 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 Florida A&M University, Florida Atlantic University, Florida International University, or Florida Polytechnic University and earn a bachelor's degree in Civil 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 Part-Time

Term	Course ID	Course Title	Credits
Term 1	SLS 1122	First-Year Seminar	3 Credits
	MAC 1105	College Algebra (See Note 2)	3 Credits
Term 2	ENC 1101	College Composition I	3 Credits
	MAC 1147	Precalculus Algebra/Trigonometry (See Note 3)	5 Credits
Term 3	ENC 1102	College Composition II	3 Credits
	CHM 1045C	General Chemistry I	4 Credits
Term 4	MAC 2311	Calculus I	5 Credits
	HUM 2020	Introduction to Humanities	3 Credits
Term 5	Social Sciences	Social Sciences General Education Course	3 Credits
	MAC 2312	Calculus II	5 Credits
Term 6	Wellness	Wellness General Education Course	2-3 Credits
	Social Sciences	Social Sciences General Education Course	3 Credits
Term 7	MAC 2313	Calculus III	5 Credits
	PHY 2048C	General Physics I with Calculus	5 Credits
Term 8	MAP 2302	Differential Equations	3 Credits
	PHY 2049C	General Physics II with Calculus	5 Credits
Term 9	Humanities	Humanities General Education Course	3 Credits
	LIT 1000	Introduction to Literature	3 Credits

Total Credit Hours: 66-67

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: 14.1901 - 2018-2019 Catalog Year

