



Associate in Science (AS) Computer Systems and Business Analysis

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

This Program Map is for students who plan to earn an AS degree in Computer Systems and Business Analysis at Polk State College. 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	CGS 1100	Computer Applications for Business	3 Credits
	ENC 1101	College Composition I	3 Credits
	PHI 2600	Ethics	3 Credits
	MAT 1033	Intermediate Algebra (See Note 2 Below)	3 Credits
Term 2 12 Credits	COP 1000	Introduction to Programming	3 Credits
	MAC 1105	College Algebra (See Note 2 Below)	3 Credits
	CTS 1102	Survey of Operating Systems Technologies	3 Credits
	ACG 2072	Accounting for Professionals	3 Credits
Term 3 6-7 Credits	Natural Science	Natural Science General Education Course	3-4 Credits
	CTS 1441	Database Fundamentals	3 Credits
Term 4 15 Credits	GEB 1011	Introduction to Business	3 Credits
	ENC 2210	Introduction to Technical Writing	3 Credits
	COP 1170	Programming in Visual Basic	3 Credits
	CTS 2442	Database Applications	3 Credits
	COP 2224, or COP 2800	Programming in C++, or Programming in Java	3 Credits
Term 5 12 Credits	CEN 2071	Information System Testing and Quality	3 Credits
	CIS 2321	Systems Analysis and Design	3 Credits
	CTS 2450	Business Intelligence and Data Mining	3 Credits
	CTS 2433	Programming SQL	3 Credits
Term 6 5-6 Credits	ECO 2013	Principles of Macroeconomics	3 Credits
	Wellness	Wellness General Education Course	2-3 Credits

Total Required Program Hours: 60

A Few Notes:

1. Students must meet all graduation requirements. To learn more about graduation requirements, [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. MAT 1033 is not included in the program of study or the total required program hours.

Program: AS-25240 - 2018-2019 Catalog Year



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Program Map for Students Attending Part-Time

Term	Course ID	Course Title	Credits
Term 1	CGS 1100	Computer Applications for Business	3 Credits
	MAT 1033	Intermediate Algebra (See Note 2 Below)	3 Credits
Term 2	COP 1000	Introduction to Programming	3 Credits
	MAC 1105	College Algebra (See Note 2 Below)	3 Credits
Term 3	CTS 1102	Survey of Operating Systems Technologies	3 Credits
	PHI 2600	Ethics	3 Credits
Term 4	ENC 1101	College Composition I	3 Credits
	ACG 2072	Accounting for Professionals	3 Credits
Term 5	Natural Science	Natural Science General Education Course	3-4 Credits
	CTS 1441	Database Fundamentals	3 Credits
Term 6	GEB 1011	Introduction to Business	3 Credits
	ENC 2210	Introduction to Technical Writing	3 Credits
Term 7	COP 1170	Programming in Visual Basic	3 Credits
	CTS 2442	Database Applications	3 Credits
Term 8	COP 2224, or COP 2800	Programming in C++, or Programming in Java	3 Credits
	CEN 2071	Information System Testing and Quality	3 Credits
Term 9	CTS 2433	Programming SQL	3 Credits
	CTS 2450	Business Intelligence and Data Mining	3 Credits
Term 10	CIS 2321	Systems Analysis and Design	3 Credits
	ECO 2013	Principles of Macroeconomics	3 Credits
	Wellness	Wellness General Education Course	2-3 Credits

Total Required Program Hours: 60

A Few Notes:

- Students must meet all graduation requirements. To learn more about graduation requirements, [please refer to the College Catalog](#).
- Students must earn an appropriate score on a placement examination or complete MAT 1033 in order to enroll in MAC 1105. MAT 1033 is not included in the program of study or the total required program hours.

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