



## 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
<b>Term 1</b> <b>12 Credits</b>	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
<b>Term 2</b> <b>12 Credits</b>	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
<b>Term 3</b> <b>6-7 Credits</b>	Natural Science	Natural Science General Education Course	3-4 Credits
	CTS 1441	Database Fundamentals	3 Credits
<b>Term 4</b> <b>15 Credits</b>	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
	<b>Term 5</b> <b>12 Credits</b>	CEN 2071	Information System Testing and Quality
CIS 2321	Systems Analysis and Design	3 Credits	
CTS 2450	Business Intelligence and Data Mining	3 Credits	
CTS 2433	Programming SQL	3 Credits	
<b>Term 6</b> <b>5-6 Credits</b>	ECO 2013	Principles of Macroeconomics	3 Credits
	Wellness	Wellness General Education Course	2-3 Credits

**Total Required Program Credit 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 - 2021-22 Catalog Year



## 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 Part-Time

Term	Course ID	Course Title	Credits
<b>Term 1</b>	CGS 1100	Computer Applications for Business	3 Credits
	MAT 1033	Intermediate Algebra (See Note 2 Below)	3 Credits
<b>Term 2</b>	COP 1000	Introduction to Programming	3 Credits
	MAC 1105	College Algebra (See Note 2 Below)	3 Credits
<b>Term 3</b>	CTS 1102	Survey of Operating Systems Technologies	3 Credits
	PHI 2600	Ethics	3 Credits
<b>Term 4</b>	ENC 1101	College Composition I	3 Credits
	ACG 2072	Accounting for Professionals	3 Credits
<b>Term 5</b>	Natural Science	Natural Science General Education Course	3-4 Credits
	CTS 1441	Database Fundamentals	3 Credits
<b>Term 6</b>	GEB 1011	Introduction to Business	3 Credits
	ENC 2210	Introduction to Technical Writing	3 Credits
<b>Term 7</b>	COP 1170	Programming in Visual Basic	3 Credits
	CTS 2442	Database Applications	3 Credits
<b>Term 8</b>	COP 2224, or COP 2800	Programming in C++, or Programming in Java	3 Credits
	CEN 2071	Information System Testing and Quality	3 Credits
<b>Term 9</b>	CTS 2433	Programming SQL	3 Credits
	CTS 2450	Business Intelligence and Data Mining	3 Credits
<b>Term 10</b>	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 Credit 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 - **2021-22 Catalog Year**



## 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**

Interested in exploring Program Maps for other programs and transfer intents at Polk State? Visit [www.polk.edu/program-maps](http://www.polk.edu/program-maps) to view additional Pathways and Program Maps.

---

