



## Associate in Science (AS) Network Systems Engineering Technology

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 Network Systems Engineering Technology 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>	CET 1174C	A+ Essentials	3 Credits
	CTS 2110C	A+ Practical Application	3 Credits
	CET 1600C	Network Fundamentals	3 Credits
	ENC 1101	College Composition I	3 Credits
<b>Term 2</b> <b>12 Credits</b>	CET 1610C	Routing and Switching Essentials	3 Credits
	CTS 1161C	Microsoft Windows 10 Operating Systems	3 Credits
	CTS 2354C	Installation, Storage, and Configuration Windows	3 Credits
	MGF 1106, or MAC 1105	Topics in Mathematics, or College Algebra (See Note 2 Below)	3 Credits
<b>Term 3</b> <b>6-7 Credits</b>	CTS 2321C	Linux+	3 Credits
	Natural Sciences	Natural Sciences General Education Course (See Note 3 Below)	3-4 Credits
<b>Term 4</b> <b>12 Credits</b>	CTS 2353C	Networking with Windows Server 2016	3 Credits
	CTS 2615C	Scaling Networks	3 Credits
	CTS 2109C	Virtualization Concepts and Implementation	3 Credits
	CTS 2376C	Firewall Services and Cybersecurity Essentials	3 Credits
<b>Term 5</b> <b>12 Credits</b>	CTS 2358C	Identity with Windows Server 2016	3 Credits
	CET 2620C	Advanced Network Design Concepts	3 Credits
	CTS 2664C	CCNA Security	3 Credits
	PSY 2012, or SYG 2000	General Psychology, or Introduction to Sociology	3 Credits
<b>Term 6</b> <b>6-7 Credits</b>	HUM 2020	Introduction to Humanities	3 Credits
	Wellness	Wellness General Education Course	2-3 Credits
	CET 2940	Network Engineering Technology Practicum	1 Credit

**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 or complete MAT 1100 in order to enroll in MGF 1106.
3. Students may select from one of the following courses: BSC 1005C, BSC 1033, ESC 1000, GLY 2010C, MET 1010, OCE 2001C, PSC 1121, or PSC 2515.

Program: AS-25275 - 2019-2020 Catalog Year



## Associate in Science (AS) Network Systems Engineering Technology

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This Program Map is for students who plan to earn an AS degree in Network Systems Engineering Technology 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>	CET 1174C	A+ Essentials	3 Credits
	CTS 2110C	A+ Practical Application	3 Credits
<b>Term 2</b>	CET 1600C	Network Fundamentals	3 Credits
	ENC 1101	College Composition I	3 Credits
<b>Term 3</b>	CET 1610C	Routing and Switching Essentials	3 Credits
	CTS 1161C	Microsoft Windows 10 Operating Systems	3 Credits
<b>Term 4</b>	CTS 2354C	Installation, Storage, and Configuration Windows	3 Credits
	MGF 1106, or MAC 1105	Topics in Mathematics, or College Algebra (See Note 2 Below)	3 Credits
<b>Term 5</b>	CTS 2321C	Linux+	3 Credits
	Natural Sciences	Natural Sciences General Education Course (See Note 3 Below)	3-4 Credits
<b>Term 6</b>	Wellness	Wellness General Education Course	2-3 Credits
	CTS 2353C	Networking with Windows Server 2016	3 Credits
<b>Term 7</b>	CTS 2615C	Scaling Networks	3 Credits
	CTS 2109C	Virtualization Concepts and Implementation	3 Credits
<b>Term 8</b>	CTS 2376C	Firewall Services and Cybersecurity Essentials	3 Credits
	CTS 2358C	Identity with Windows Server 2016	3 Credits
<b>Term 9</b>	CET 2620C	Advanced Network Design Concepts	3 Credits
	CTS 2664C	CCNA Security	3 Credits
<b>Term 10</b>	PSY 2012, or SYG 2000	General Psychology, or Introduction to Sociology	3 Credits
	HUM 2020	Introduction to Humanities	3 Credits
	CET 2940	Network Engineering Technology Practicum	1 Credit

**Total Required Program Credit 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 or complete MAT 1100 in order to enroll in MGF 1106.
- Students may select from one of the following courses: BSC 1005C, BSC 1033, ESC 1000, GLY 2010C, MET 1010, OCE 2001C, PSC 1121, or PSC 2515.

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## Additional Information

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### 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.

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