



## **Associate in Science (AS) Network Systems Engineering Technology (Security Specialization)**

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

This Program Map is intended to serve as a guide for students who are new to the information technology industry. Students should always meet with their Student Success Advisor to develop a personalized Education Plan.

**Program Map for Students Attending Full-Time**

<b>Term</b>	<b>Course ID</b>	<b>Course Title</b>	<b>Credits</b>
<b>Term 1</b>	CET 1600C	Network Fundamentals	3 Credits
	CTS 1131C	Computing Infrastructure	3 Credits
	ENC 1101	College Composition I	3 Credits
	CTS 1132C	Operating Systems and Security	3 Credits
<b>Term 2</b>	CET 1610C	Routing and Switching Essentials	3 Credits
	CTS 2320C	Windows Server 2019 Administration	3 Credits
	CGS 2135C	Computer Forensics	3 Credits
	Mathematics	Mathematics General Education Course (See Note 1)	3 Credits
<b>Term 3</b>	CET 2615C	Scaling Networks	3 Credits
	CTS 2376C	Firewall Services and Cybersecurity Essentials	3 Credits
	CTS 2192C	Microsoft Azure Administrator	3 Credits
<b>Term 4</b>	CTS 2126C	Cybersecurity Analyst (CySA+)	3 Credits
	CTS 1120C	Cybersecurity Fundamentals	3 Credits
	CTS 2321C	Linux+	3 Credits
	Civic Literacy	Civic Literary/Social Sciences General Education Course (See Note 2)	3 Credits
<b>Term 5</b>	CET 2688C	System Security Practitioner (SSCP)	3 Credits
	CIS 2352C	Ethical Hacking	3 Credits
	Humanities	Humanities General Education Course (See Note 3)	3 Credits
	Natural Science	Natural Science General Education Course (See Note 4)	3-4 Credits
<b>Term 6</b>	CET 2940	Network Engineering Technology Practicum	1 Credit
	Wellness	Wellness General Education Course (See Note 5)	2-3 Credits

**Total Required Program Credit Hours: 60**

### **A Few Notes:**

1. Students may take STA 2023 Introduction to Probability and Statistics, or MAC 1105 College Algebra. Students must earn an appropriate score on a placement examination or complete the appropriate MAT prerequisite(s) before taking these courses.
2. Pursuant to Rule 6A-10.02413 of the Florida Administrative Code, all degree-seeking students must demonstrate competency in civic literacy by both passing the Florida Civic Literacy Exam and by completion of AMH 1010 (History of the United States: 1607-1877), AMH 1020 (History of the United States: 1877 to the Present) or POS 2041 (American National Government). Students may



- also use AP or CLEP credit for one of the three-course options.
3. Students must take one of the approved Humanities General Education Courses in this program: ARH 2000, HUM 2020, LIT 1000, MUL 1010, PHI 2010, or THE 1000.
  4. Students must take one of the approved Natural Science General Education Courses in this program: AST 1002C, BSC 1005C, BSC 1010, BSC 2085C, CHM 1045C, EVR 1001C, PHY 2020C, PHY 2048C, or PHY 2053.
  5. Students interested in earning a bachelor's degree are encouraged to earn 18 credits in General Education by completing either a 3-credit-hour science and a 3-credit hour wellness course or a 4-credit hour science and a 2-credit hour wellness course.
  6. Students must meet all graduation requirements. To learn more about graduation requirements, [please refer to the College Catalog](#).

**Program: AS-25276 – 2024-2025 Catalog Year (tentative)**

**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](#).

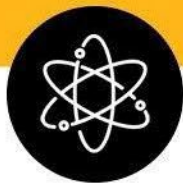


**Polk State Pathways**

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.

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### Program Map for Students Attending Part-Time

Term	Course ID	Course Title	Credits
Term 1	CET 1600C	Network Fundamentals	3 Credits
	CTS 1131C	Computing Infrastructure	3 Credits
Term 2	ENC 1101	College Composition I	3 Credits
	CTS 1132C	Operating Systems and Security	3 Credits
Term 3	CET 1610C	Routing and Switching Essentials	3 Credits
	CTS 2320C	Windows Server 2019 Administration	3 Credits
Term 4	CGS 2135C	Computer Forensics	3 Credits
	Mathematics	Mathematics General Education Course (See Note 1)	3 Credits
Term 5	CET 2615C	Scaling Networks	3 Credits
	CTS 2376C	Firewall Services and Cybersecurity Essentials	3 Credits
Term 6	CTS 2192C	Microsoft Azure Administrator	3 Credits
	CTS 2126C	Cybersecurity Analyst (CySA+)	3 Credits
Term 7	CTS 1120C	Cybersecurity Fundamentals	3 Credits
	CTS 2321C	Linux+	3 Credits
Term 8	Civic Literacy	Civic Literary/Social Sciences General Education Course (See Note 2)	3 Credits
	CET 2688C	System Security Practitioner (SSCP)	3 Credits
Term 9	CIS 2352C	Ethical Hacking	3 Credits
	Humanities	Humanities General Education Course (See Note 3)	3 Credits
	CET 2940	Network Engineering Technology Practicum	1 Credit
Term 10	Wellness	Wellness General Education Course (See Note 4)	2-3 Credits
	Natural Science	Natural Science General Education Course (See Note 5)	3-4 Credits

**Total Required Program Credit Hours: 60**

#### A Few Notes

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