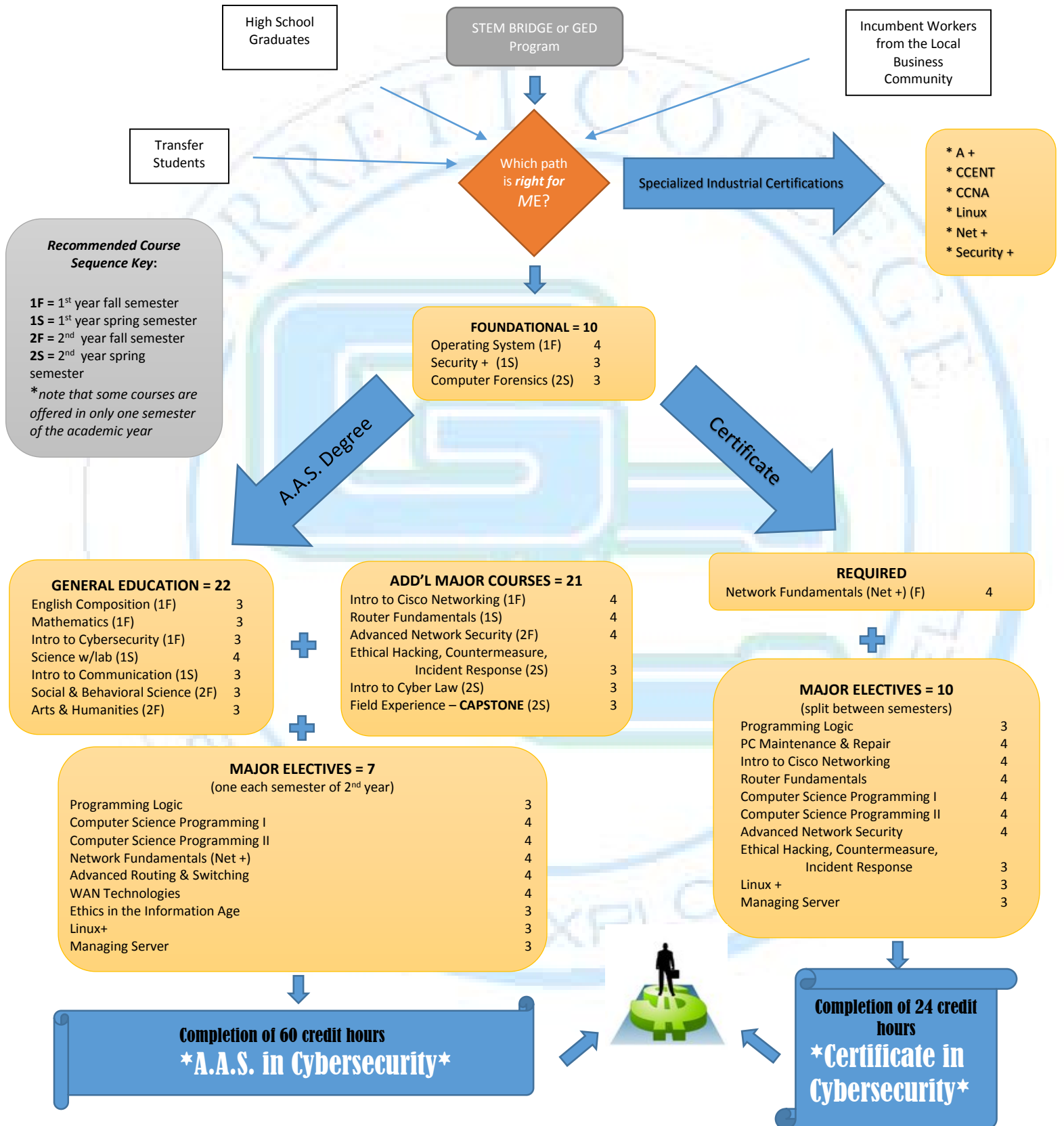


# GARRETT COLLEGE CYBERSECURITY CAREER PATHWAY



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# CYBERSECURITY

The A.A.S. degree in Cybersecurity includes courses in computer and network security, providing practical, hands-on instruction. Students will develop the knowledge and skills for work in the cybersecurity field. Areas of study include security issues related to operating systems, software engineering, networking, ethics, and other related topics. Graduates of the program will be well prepared to enter the workforce in the fields of information security, computer network security, and/or network administration.

## MAJOR COURSES:

- CIS160 Operating Systems
- CIS163 Introduction to Cisco Networking
- CIS164 Router Fundamentals
- CIS230 Security+
- CIS231 Computer Forensics
- CIS232 Advanced Network Security
- CIS233 Ethical Hacking, Countermeasure, Incident Response
- CIS235 Introduction to Cyber Law
- BUS294 Field Experience

## MAJOR ELECTIVES (7) – Choose from the following:

- CIS130 Programming Logic
- CIS161 PC Maintenance and Repair
- CIS170 Computer Science Programming I
- CIS210 Computer Science Programming II
- CIS220 Networking Fundamentals
- CIS221 Advanced Routing and Switching
- CIS222 WAN Technologies
- CIS234 Ethics in the Information Age
- CIS240 Linux+
- CIS241 Managing Server

The recently-released Cyber Security Jobs Report (January 2013) estimates that there are over 19,000 current cybersecurity job openings in the State. The report also states that “it appears there is a great need for candidates with 0-5 years’ experience.” A full 20 percent of these jobs (>3,800) are available to candidates with an Associate’s degree or less, according to data presented in the report.

*For more information, please contact:*

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