

# WSC Program Outcome Guide (POG) for Cyber Security - AAS

Prerequisites	Courses	Capstone Assessment Tasks	Intended Outcomes
<p>Students must apply to be a WSC student.</p>	<p>CIS 128 – Microcomputer Hardware I            CIS 164 – Fundamentals of Networking I            CIS 141 – Introduction to Cybersecurity            CIS 215 – Implementing a Microsoft Windows Server Environment            CIS 116 – IoT Connecting Devices            CIS 129 – Microcomputer Hardware II            CIS 165 – Fundamentals of Networking II            CIS 241 – Introduction to Digital Forensics            CIS 117 – IoT Security            CIS 142 – Ethical Hacking and Cyber Defense            CIS 145 – Cyber Security Tools</p>	<p>Assessment: exams, projects, and laboratory hands-on applications.</p>	<p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Use technology and critical thinking skills effectively to analyze and communicate matters of information security</li> <li>2. Detect, analyze, identify and resolve security vulnerabilities, threats &amp; breaches using appropriate tools</li> <li>3. Install, configure and monitor information systems security devices/software, as well as apply software patches and service packs</li> <li>4. Identify the implications of information systems configuration weaknesses</li> <li>5. Identify the implications of information systems policy/procedure weaknesses as well as human errors</li> <li>6. Determine the necessity for cyber investigation and retrieve/seize cyber evidence from computer</li> </ol>

			<p>systems without contamination</p> <p>7. Utilize basic security features to configure and harden operating systems</p>
<p>What must the student be able to do before engaging in this work?</p>	<p>What learning experiences (courses) are necessary to prepare the student?</p>	<p>What can we have students do in this program to show final evidence of the intended outcomes?</p>	<p>What do students need to be able to DO "out there" for which this program will prepare them?</p>