



**(CIS) – Computer Information System Technology Short Certificate**

*We advise CTE dual enrollment students in the shortest credential options within an AAS degree. We do this because they are the shortest credit hour options and allow students the greatest chance of completing a credential before they graduate high school. All courses in the short certificate and advanced certificate options are counted towards an AAS degree within the Career Program.*

**Special Details for CIS Career Program for DE CTE:**

The Swift App Development Certificate is not part of the AAS degree program. Except for the App Development Certificate, all options can be completed in a 100% online course format. Students will inevitably take some of their courses online.

**Other:**

- CIS 130 Introduction to Information Systems is required for students without basic computer skills.
- OAD 101 Beginning Keyboarding is required for students without basic keyboarding skills.
- Cisco Networking Info: <https://www.netacad.com/courses/networking>

**Academic Course Pairing Option**– English (ENG 101 only) can be covered under the CTE scholarship. For scholarship coverage students **must** take ENG 101 and a CTE course in the same semester.

<b>Web Technologies Option</b>			
<b>Course in order</b>	<b>Prerequisite</b>	<b>Title</b>	<b>Semester Hrs</b>
CIS 150		Introduction to Computer Logic and Programming	3
CIS 207		Web Development	3
CIS 209	CIS 150, CIS 207	Advanced Web Development	3
CIS 263		Computer Maintenance	3
<b>Total Credit Hours</b>			<b>12</b>
Contact <a href="mailto:ablevin2@jeffersonstate.edu">ablevin2@jeffersonstate.edu</a> for detail DE option			



<b>Computer Programming Option</b>			
<b>Course</b>	<b>Prerequisite</b>	<b>Title</b>	<b>Semester Hrs</b>
CIS 150		Introduction to Computer Logic and Programming	3
CIS 263		Computer Maintenance	3
CIS 270		Cisco CCNA 1	3
CIS 215	CIS 150	C# Programming	3
CIS 251	CIS 150	C ++ Programming	3
CIS 255	CIS 150	Java Programming	3
<b>Total Credit Hours</b>			Contact <a href="mailto:ablevin2@jeffersonstate.edu">ablevin2@jeffersonstate.edu</a> for detail DE option <b>18</b>

<b>Cybersecurity Option</b>			
<b>Course</b>	<b>Prerequisite</b>	<b>Title</b>	<b>Semester Hrs</b>
CIS 202	CIS 150	Python Programming	3
CIS 214		Security Analysis (Pen Testing)	3
CIS 244		Introduction to Cybersecurity	3
CIS 246		Ethical Hacking	3
CIS 260		Network Security and Risk Management	3
CIS 263		Computer Maintenance	3
CIS 270		Cisco CCNA 1	3
<b>Total Credit Hours</b>			Contact <a href="mailto:ablevin2@jeffersonstate.edu">ablevin2@jeffersonstate.edu</a> for detail DE option <b>21</b>

<b>Swift App Development Option</b>			
<b>Course</b>	<b>Prerequisite</b>	<b>Title</b>	<b>Semester Hrs</b>
CIS 157	CIS 150	Introduction to App Development with Swift	3
CIS 220	CIS 157	App Development with Swift I	3
CIS 227	CIS 220	App Development with Swift II	3
<b>Total Credit Hours</b>			Contact <a href="mailto:ablevin2@jeffersonstate.edu">ablevin2@jeffersonstate.edu</a> for detail DE option <b>9</b>



<b>Networking Option</b>			
<b>Course</b>	<b>Prerequisite</b>	<b>Title</b>	<b>Semester Hrs</b>
CIS 150		Introduction to Computer Logic and Programming	3
CIS 263		Computer Maintenance	3
CIS 270		Cisco CCNA 1	3
CIS 271	CIS 270	Cisco CCNA II	3
CIS 272	CIS 271	Cisco CCNA III	3
CIS 273C	CIS 272	Cisco CCNA IV	3
<b>Total Credit Hours</b>			<b>18</b>
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