

Central Oregon Community College
Computer and Information Systems (CIS)
Associate of Applied Science (AAS) degree 94-99 credits

2017-18 Tentative Schedule of Required CIS Courses
-Web Development Option-

Foundation Courses (In preferred order of completion)	Sum	Fall	Winter	Spring
CIS 120 Computer Concepts (4 credits)	✓	✓	✓	✓
CIS 131 Software Applications ¹ (4 credits)	✓	✓	✓	✓
CIS 178 Internet in Depth (4 credits)		✓	✓	✓
CIS 195 Web Development I (4 credits)		✓	✓	
CIS 140 A+ Essentials I (4 cr) and CIS 145 A+ Essentials II ² (4 cr)	✓+✓	✓+✓	✓+✓	✓+✓
CIS 179 Networking Essentials ³ (4 credits)	✓	✓	✓	✓
CIS 135DB Database Theory/SQL (4 credits)		✓	✓	✓
CIS 122 Intro to Programming (4 credits)	✓	✓	✓	✓
CIS 244 Information Systems Analysis (4 credits)			✓	✓
CIS 297 CIS Professional Capstone ⁴ (4 credits)				✓
CIS 279WC Windows Client (4 credits)			✓	

- 1) CIS 120 is a pre-requisite for CIS 131.
- 2) CIS 140 and 145 must be taken in the same term.
- 3) CIS 140 and CIS 145 are pre-requisites for CIS 179.
- 4) CIS 244 is a pre-requisite or co-requisite for CIS 279.

Web Development/Database Option (choose 28 credits) ⁴	Sum	Fall	Winter	Spring
CIS 125G Photoshop (4 credits) or CIS 125I Adobe Illustrator (4 credits)	✓		✓	
CIS 125V Visio (4 credits)		✓		✓
CIS 125WA Web Animation (4 credits)				✓
CIS 122 CIS 133JS Java Script ⁵ (4 credits)		✓		
CIS 122 CIS 133P Intro to PHP ⁵ (4 credits)			✓	
CIS 233P Web Programming ⁶ (4 credits)				
CIS 197 Content Management Systems (4 credits)			✓	
CIS 280 Co-op Work Experience CIS (1-3 credits)	✓	✓	✓	✓
CIS 295 Web Development II (4 credits)				✓
CS 160 Computer Science Orientation		✓		

- 4) It is recommended that students complete CIS 120 and CIS178 prior to taking the Web Development option courses.
- 5) CIS 122 is a pre-requisite for CIS 133JS and CIS 133P.
- 6) CIS 133P is a pre-requisite for CIS 233P. CIS 233P will not be offered again until 2019.

CIS xxx Indicates a Foundation course that is a prerequisite

** See the 2017-18 COCC Catalog for additional Program course requirements.**