

Computer Science Major



EASTERN OREGON
UNIVERSITY

DEGREE PROGRAM CHECK SHEET

Complete all Institutional Graduation Requirements (Including University Writing Requirement, Diversity Requirement, General Education Requirement, etc.) as provided at <http://www.eou.edu/registrar>.

Program Requirements: Computer Science is a minimum 76 credit hour degree. A grade of "C-" or better is required for each course counting towards the major, but a cumulative grade of C [2.00] is required for completion of the major.

PROGRAM REQUIREMENTS: 44 credits

Course #	Title [and course information]	Credit(s)	Prerequisites(s)
CS 121	Intro to Software Development	1	
CS 161	Foundations of CS I	4	
<i>Online students complete CS 161A/161B in lieu of CS 161</i>			
CS 162	Foundations of CS II	4	MATH 111, CS 161
CS 221	C/C++ Programming	4	CS 162
CS 260	Data Structures [UWR]	4	CS 162
CS 311	Operating Systems	3	CS 221, 260
CS 318	Algorithm Analysis	4	CS 260, MATH 231
CS 330	Database Management Systems	4	CS 260
<i>Online students complete CS 330A/330B in lieu of CS 330</i>			
CS 360	Object Oriented Programming	4	CS 221, 260
CS 361	Software Engineering I [UWR]	4	CS 162
CS 362	Software Engineering II	3	CS 361
CS 401	Capstone [UWR]	3	
CS 407	Seminar	2	

ELECTIVES: 16 credits

Complete 16 credit hours from the following courses:

Course #	Title [and course information]	Credit(s)	Prerequisite(s)
COM 252	New Media [APC]	4	
CS 310	Special Topics in CS	1-5	
CS 316	Authoring Environment Programming	4	CS 162
CS 321	Computing Theory	4	CS 260
CS 325	Applied 3D Graphics/Animation	4	
CS 328	Intro to Video Game Design & Development	4	CS 221, 260
CS 335	Networking & Networking Administration	4	CS 162

CS 369	Mobil App Development	4	CS 360
CS 409	Practicum	1-12	
CS 410	Special Topics in CS	1-5	
CS 425	Computer Graphics	4	CS 221
CS 440	Artificial Intelligence	4	CS 318, 360

RELATED AREA REQUIRED COURSES: 16 credit hours

Course #	Title [and course information]	Credit(s)	Prerequisite(s)
MATH 231	Discrete Mathematics	4	<i>MATH 111</i>
MATH 251	Calculus I [<i>SMI</i>]	4	<i>MATH 112</i>
	<i>Online students complete MATH 251A/251B in lieu of MATH 251</i>		
MATH 252	Calculus II [<i>SMI</i>]	4	<i>MATH 251</i>
MATH 341	Linear Algebra	4	<i>MATH 252</i>

Total credits required for major: 76

Last update May 2019 [*previous update Feb 2016*]