



Oregon State University Cascades

COCC Transfer Guide

Bachelor of Science in Computer Science

Applied Option: Software Engineering

Applied Option: Software Entrepreneurship

Transfer Admissions:

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Program Requirements

OSU Graduation Requirement:

Students are required to meet the University Graduation requirements as well as complete course work required for their major to graduate with a Bachelor of Science in Energy Systems Engineering.

- 180 total college credits
- 60 upper division credits
- 45 out of last 75 credits must be OSU credits

College of Engineering Academic Standing

- Grades of C or better and a minimum of 2.50 cumulative OSU GPA
- Maintain 2.50 term and/or cumulative OSU GPA and 65% of courses completed

Important Notes:

- It is the student's responsibility to double check that all requirements are met. The advisor can suggest courses and assist the student in constructing a plan of study, but the student in the end is responsible for assuring all requirements for graduation are met.

Students will work with their Academic Advisor and use the Bacc Core approved list for OSU-Cascades to choose courses for the Bacc Core requirements. To find information about Bacc Core or for the approved list, visit:

osucascades.edu/admissions/cocc-transfer-guides

Baccalaureate Core:

x	Skills Requirements	Non-AAOT COCC course	AAOT or ASOT
	Health/Fitness	HHP 295	AAOT completes
	Mathematics	MTH 251 in major	AAOT completes
	Writing I [^]	WR 121 in major	AAOT completes
	Writing II [^]	WR 122 in major	AAOT completes
	Speech [^]	SP 111/114 in major	AAOT completes
x	Perspective Requirements: no more than 2 from 1 department		
	Cultural Diversity	See COCC guide	AAOT completes
	Literature & the Arts	See COCC guide	AAOT completes
	Social Processes & Institutions - (EC 201 recommended)	See COCC guide	AAOT completes
	Western Culture	See COCC guide	AAOT completes
	Physical Science	See COCC guide	AAOT completes
	Biological Science	See COCC guide	AAOT completes
	Additional Science (Physical or Biological)	See COCC guide	AAOT completes
	Difference, Power & Discrimination	See COCC guide	AAOT completes
x	Synthesis Requirements: cannot be from the same department		
	Contemporary Global Issues	OSU Only	OSU Only
	Science, Technology & Society (STS) – Met by CS 391 (in CS Major)	OSU Only	OSU Only

A student who has completed (or plans on completing) an ASOT-Business or an AAOT has completed all Skills & Perspectives requirements in the Bacc Core. Students still need to complete synthesis courses.

Major Requirements

First & Second year courses: All courses must be completed with a C grade or better

x	Course	Title	
	CS 160	Computer Science Orientation	COCC
	CS 161	Computer Science I	COCC
	CS 162	Computer Science II	COCC
	CS 260	Data Structures	COCC
	CS 271	Computer Architecture & Assembly Language	OSU Only
	CS 290	Web Development	OSU Only
	MTH 231	Discrete Mathematics I	COCC
	MTH 251	Calculus I	COCC
	MTH 252	Calculus II	COCC
	WR 121	Academic Composition	COCC
	SP 111/114	Fundamentals Public Speaking/ Argument & Discourse	COCC
	WR 122	Arg/Research/Multimodal Comp	COCC
	ST 314	Introduction to Statistics for Engineers	OSU Only
	WR 227	Technical Writing	COCC

Third & Fourth year courses: All courses must be completed with a C grade or better

x	Course	Title	
	CS 325	Analysis of Algorithms	OSU Only
	CS 340	Introduction to Databases	OSU Only
	CS 344	Operating Systems I	OSU Only
	CS 352	Introduction to Usability Engineering	OSU Only
	CS 361	Software Engineering I	OSU Only
	CS 362	Software Engineering II	OSU Only
	CS 372	Introduction to Computer Networks	OSU Only
	CS 381	Programming Language Fundamentals	OSU Only

CS 391	Social and Ethical Issues in CS	OSU Only
CS 444	Operating Systems II	OSU Only
CS 461 (WIC)	Senior Software Engineering Project	OSU Only
CS 462 (WIC)	Senior Software Engineering Project	OSU Only
CS 463	Senior Software Engineering Project	OSU Only
Restricted Elective	Choose (1) course in applied option	OSU Only
Restricted Elective	Choose (1) course in applied option	OSU Only

Applied Option: Software Engineering (32 credits): C grade or better

x	Course	Title	
Required courses (20 credits)			
	SE 201	Software Development I	OSU Only
	SE 303	Software Engineering III	OSU Only
	CS 466	Web-based Start-up Project	OSU Only
	SE 467	Business of Software II	OSU Only
	SE 468	Business of Software III	OSU Only
Choose (12 credits) from the following:			
	CS 373	Defense Against the Dark Arts	OSU Only
	CS 401	Research	OSU Only
	CS 406	Projects	OSU Only
	CS 434	Machine Learning & Data Mining	OSU Only
	CS 440	Database Management Systems	OSU Only
	CS 447	Wireless Embedded Systems	OSU Only
	CS 475	Introduction to Parallel Programming	OSU Only
	CS 478	Network Security	OSU Only
	CS 492	Mobile Software Development	OSU Only
	CS 493	Cloud Application Development	OSU Only

Applied Option: Software Entrepreneurship (32 credits): C grade or better

x	Course	Title	
Required courses (16 credits)			
	BA 250	Entrepreneurship	COCC
	CS 466	Web-based Start-up Project	OSU Only
	CS 478	Network Security	OSU Only
	CS 492	Mobile Software Development	OSU Only
Choose (16 credits) from the following:			
	BA 217	Fundamentals of Accounting	COCC
	BA 352 or BA 351	Individual & Team Performance or Managing Organizations (online only)	OSU Only
	BA 360	Introduction to Financial Management	OSU Only
	MGMT 364	Project Management	OSU Only
	CS 434	Machine Learning and Data Mining	OSU Only
	CS 493	Cloud Application Development	OSU Only

IMPORTANT NOTES

* All info is subject to change at catalog policy

See Academic Advisor for Restricted Elective (RE) information. Restricted Electives cannot be used to meet both Applied Option & Restricted Elective requirement.