



Oregon State University Cascades

Central Oregon Community College Transfer Guide

Bachelor of Science in Computer Science

Applied Option: Software Engineering

Applied Option: Software Entrepreneurship

Transfer Admissions:

osucascades.edu/admissions/admissions-advising

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. **All catalog and course selection information is subject to change pending catalog declaration year.* catalog.oregonstate.edu/regulations/#text

- 180 minimum = total number of credits required to graduate
- 60 minimum = number of upper division credits required
- 45 of last 75 credits must be OSU credits
- Max 135 credits transferred to OSU
- Max 18 W grades (withdraw)
- Max 11 credits PAC

College of Engineering Academic Standing

Progression Model

- 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
 - Warning: OSU term GPA is below a 2.50 and/or completion is under 65%
 - Probation: After 24 OSU credits attempted, if both term and cumulative standards are not met
 - Suspension: If on probation and have a subsequent term OSU GPA under 2.50 and/or pace under 65%
- No major courses may be taken with S/U grading.

Academic Progression Model Information: <https://engineering.oregonstate.edu/current-students/advising/progression>

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.
- Degree requirements are subject to change and dependent on catalog year of admission and major declaration.

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: <https://admissions.oregonstate.edu/course-articulations>

Baccalaureate Core:

x	Skills Requirements	Non-AAOT 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 [^]	COMM 111/114 in major	AAOT completes
x	Perspective Requirements: no more than 2 from 1 department		
	Cultural Diversity	See Bacc Core guide	AAOT completes
	Literature & the Arts	See Bacc Core guide	AAOT completes
	Social Processes & Institutions - (EC 201 recommended)	See Bacc Core guide	AAOT completes
	Western Culture	See Bacc Core guide	AAOT completes
	Physical Science	See Bacc Core guide	AAOT completes
	Biological Science	See Bacc Core guide	AAOT completes
	Additional Science (Physical or Biological)	See Bacc Core guide	AAOT completes
	Difference, Power & Discrimination	See Bacc Core 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	Major Requirement (OSU)	COCC Approved Transfer Courses:
	COMM 111 or 114: Public Speaking or Argument & Critical Discourse	COMM 111 or 114: Fundamentals Public Speaking or Argument & Discourse
	CS 162: Computer Science II	CS 162: Computer Science II
	CS 261: Data Structures	CS 260: Data Structures
	CS 271: Computer Architecture & Assembly Language	OSU Only
	CS 290: Web Development	OSU Only
	ENGR 100: Creative Code: Designing Apps for Everyone	CS 160: Computer Science Orientation
	ENGR 102: Virtual Architecture: Designing Sustainable & Scalable Software Systems	Waived w/ completion of CS 160/161
	ENGR 103: Hack the Planet: Introduction to Software Engineering	CS 161: Computer Science I
	MTH 231: Discrete Mathematics I	MTH 231: Discrete Mathematics
	MTH 251: Calculus I	MTH 251: Calculus I
	MTH 252: Calculus II	MTH 252: Calculus II
	ST 314: Introduction to Statistics for Engineers	OSU Only
	WR 121: Academic Composition	WR 121: Academic Composition
	WR 222: English Composition	WR 122: Arg/Research/Multimodal Comp
	WR 327: Technical Writing	WR 227: Technical Writing

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

x	Major Requirement (OSU)	COCC Approved Transfer Courses:
	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 (Software Engineering option except for CS 401)	OSU Only
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Applied Option: Software Engineering (32 credits): C grade or better

x	Major Requirement (OSU)	COCC Approved Transfer Courses:
Required courses (20 credits)		
	SE 303: Software Engineering III	OSU Only
	CS 466: Web-based Start-up Project	OSU Only
	CS 492: Mobile Software Development	OSU Only
	CS 493: Cloud Application Development	OSU Only
Choose (12 credits) from the following:		
	CS 373: Defense Against the Dark Arts	OSU Only
	CS 440: Database Management Systems	OSU Only
	CS 475: Introduction to Parallel Programming	OSU Only
	CS 478: Network Security	OSU Only
	CS 434: Machine Learning & Data Mining	OSU Only
	CS 447: Wireless Embedded Systems	OSU Only
	CS 406: Projects	OSU Only
	CS 401: Research (Not allowed as Restricted CS Core Elective)	OSU Only

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

x	Major Requirement (OSU)	COCC Approved Transfer Courses:
Required courses (16 credits)		
	BA 260: Entrepreneurship	BA 250: Entrepreneurship
	CS 466: Web-based Start-up Project	OSU Only
	CS 492: Mobile Software Development	OSU Only
	CS 493: Cloud Application Development	OSU Only
Choose (16 credits) from the following:		
	BA 315: Fundamentals of Accounting	BA 217: Accounting Fundamentals
	BA 352 or BA 351: Individual & Team Performance or Managing Organizations (Online only)	OSU Only
	BA 360: Introduction to Financial Management	OSU Only
	CS 401: Research (Not allowed as Restricted CS Core Elective)	OSU Only
	CS 406: Projects	OSU Only
	CS 434: Machine Learning and Data Mining	OSU Only
	CS 440: Database Management Systems	OSU Only
	CS 478: Network Security	OSU Only
	SE 303: Software Engineering III	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.