Oregon State University OSU

Computer Science Undergraduate Pathway Program

Studying computer science at OSU will give you the skills to program a custom low level sensor board all the way up to coordinating cloud datacenters full of servers.

What is an Undergraduate Pathway Program?

- Designed for international students who want extra support and preparation for OSU's rigorous degree programs.
- The requirements to be admitted to an Undergraduate Pathway Program (English Language Score & GPA) are lower than the requirements to be admitted as a direct student.
- It combines intensive English language study, academic skills development and academic course work.
- It does not extend the overall length of an undergraduate degree program, after successfully completing the standard Pathway program students will directly progress into their sophomore year (second year of the degree).

Key Benefits of the Computer Science Undergraduate Pathway Program

- Assured progression to an OSU undergraduate degree (upon completion of all progression requirements)
- Dedicated academic and progression advisor to help facilitate transition to the university
- Pathway peer tutors to provide additional academic support
- Courses with domestic and international students
- Access to all OSU campus facilities

Computer Science

3-Term Standard Pathway

Fall: September 13, 2017
Summer: June 19, 2018

Degree Program Components

180 credit hour program
47 credit hours apply from Pathway
133 credit hours remaining toward degree

Program Information

Entry Requirements

Academic Requirements
- High school diploma with a 2.5 GPA

Language Requirements
- TOEFL iBT 60 (PBT 500) **or**
- IELTS 5.5 **or**
- PTEA 44+ **or**
- Password overall level 6 **or**
- Completion of Academic English Level 4 with C (or Pass) or higher grades in all classes

Term 1	Course Title	Credit Hours
ALS 150	Academic Reading/Writing	3
ALS 151	Academic Listening/Speaking	3
MTH	Math Course - Variable Level*	4
CS 160	Computer Science Orientation	3
ALS 181	Computer Science Orientation Bridge	2
	Total	**15**

Term 2	Course Title	Credit Hours
ALS 162	Academic Reading/Writing	3
COMM 111	Public Speaking	3
MTH	Math Course - Variable Level*	4
EECS 161	Introduction to Computer Science I	4
PAC	Physical Activity Class	1
	Total	**15**

Term 3	Course Title	Credit Hours
WR 121	English Composition	3
ALS 181	English Composition Bridge	2
MTH	Math Course - Variable Level*	4
EECS 162	Introduction to Computer Science II	4
HHS 231	Lifetime Fitness for Health	2
ALS 181	Lifetime Fitness for Health Bridge	2
	Total	**17**

Term 4	(Recommended)

Progression Requirements
- 2.25 GPA cumulative in the Pathway program
- No Satisfactory/Unsatisfactory (S/U) graded courses in OSU academic course work
- Grade of C- or better in English Composition (WR 121), Math (MTH 111 or higher) and Communication (COMM 111)
- Minimum of 36 credits earned during Pathway program

Notes

* Specific course is determined by results of Math placement test and requirements for the major field of study.

* This Pathway leads to the second year of the pre- computer science major. At the end of the second year of study, qualified students may compete for admission to the upper division (pro-school) of the computer science degree program. Progression from pre-computer science to pro-school is competitive.

Term 4 (Recommended)

During the fourth term students will complete the additional classes to ensure that they are well prepared for their second year at OSU. It is recommended that all students, especially those in sciences and engineering, plan to study for four consecutive terms.

These courses are generally delivered through the INTO OSU Center and are for Pathway students only.

eecs.oregonstate.edu
INTO OSU also offers 1-Term/2-Term Accelerated Pathways and a 3-Term Advanced Pathway to students who have a higher GPA or a higher English language score than what is required for the 3-Term Standard Pathway. For more information about these programs please visit: intohigher.com/osu/programs

By the Numbers

- **#75** Best Undergraduate Engineering Program in the US
  US News and World Report 2017
- **3,094** undergraduate students
- **$2.87M** in scholarships awarded to EESC students in 2015-2016
- **11,723** alumni
- **48** teaching faculty
- **52%** of current faculty have won young investigator/CAREER awards
- **$12M** research funding in 2015-2016

Program Highlights

MECOP is an Oregon industry-sponsored, paid internship program for engineering and business students. Selected students will complete two six-month internships with two (different) 'MECOP' companies.

ABET The Computer Systems Option is accredited by the Computing Accreditation Commission of ABET. ABET accreditation sets the global standard for programs in applied science, computing, engineering, and engineering technology.

Facilities

Kelley Engineering Center
The 153,000-square-foot Kelley Engineering Center is the home for the School of Electrical Engineering and Computer Science. A "Gold" LEED® (Leadership in Energy and Environmental Design) certification from the U.S. Green Building Council made it the the greenest academic engineering building in the U.S.

Wallace Energy Systems & Facility
OSU's Energy Systems lab, the Wallace Energy Systems & Renewables Facility (WESRF), is the highest power and best equipped lab of its kind in any university in the nation.

Graphics & Image Technologies Laboratory
The IGVL supports research related to computer graphics, and vision. The lab currently consists of several high-end dual processor workstations with state-of-the-art 3D graphics acceleration hardware as well as disk arrays for efficient storage and access of video sequences.

Johnson Hall

Johnson Hall's 58,000-square-foot interior includes a 125-seat lecture hall, state-of-the-art research and teaching laboratories, and a center focused on improving recruitment and retention of engineering students.

Engineering Hall of Fame

Douglas Engelbart a 1948 OSU graduate in Electrical Engineering, has had a profound influence in the way that we use computers and their influence in our everyday lives. As early as 1962, he was involved in formulating a strategic framework by which computer systems could be integrated with one another and with millions of future users. The results of these strategies are employed today by all major computer manufacturers. Included in the results of this creativity are: the invention of the computer "mouse"; the development of the concept of "windows"; structure document files; hypermedia; integrated electronic mail. He was an OSU honorary Dr. of Engineering and a recipient of the American Ingenuity Award.

Oregon State University's College of Engineering is the 20th largest College of Engineering in the United States.

MECOP program has over 130 industry partners.