

List of OPT STEM Majors available at Oregon State University

This list is to help assist students, faculty and advisors at Oregon State University determine if a specific OSU major is considered to be a Science, Technology, Engineering and Mathematics (STEM) degree by the US Department of Homeland Security (DHS) for the purposes of an extension of Optional Practical Training (OPT). Please note: This list is accurate at the time of last review, but is subject to change based on University or DHS updates.

OSU Major Code	CIP Code Number	OSU Major
039	14.1001	Elect & Computer Engineering
120	01.1102	Crop and Soil Science
125	01.0901	Animal Sciences
135	01.1001	Food Science and Technology
150	01.0907	Poultry Science
198	52.1301	Management Science
300	14.0301	Agricultural Engineering
303	14.0701	Chemical Engineering
306	14.0801	Civil Engineering
308	14.0901	Computer Engineering
309	14.1001	Electrical and Electronics Eng
319	14.3601	Manufacturing Engineering
320	14.3101	Materials Science-GRAD ONLY
321	14.1901	Mechanical Engineering
327	14.2301	Nuclear Engineering
333	14.0701	Pre-Chemical Engineering
336	14.0801	Pre-Civil Engineering
337	14.0901	Pre-Computer Engineering
338	14.3301	Construction Engineering Mgt
339	14.1001	Pre-Electrical Engineering
342	14.1201	Pre-Engineering Physics
348	14.3601	Pre-Industrial and Manufacturi
368	14.3301	Pre-Construction Engr Mgt
380	14.3401	Forest Engineering
395	03.0502	Forest Science
506	26.0210	Biochemistry and Biophysics
509	26.0101	Biology
520	40.0501	Chemistry

OSU Major Code	CIP Code Number	OSU Major
535	26.0702	Entomology
550	40.0601	Geology
555	27.9999	Mathematical Sciences
560	27.0101	Mathematics
570	26.0502	Microbiology
582	14.3701	Operations Research
590	40.0801	Physics
615	27.0501	Statistics
620	26.0701	Zoology
650	40.0603	Geophysics
660	40.0607	Oceanography
819	26.0801	Genetics
994	26.0307	Plant Physiology
124	01.0902	Animal Production/Management
121	01.1199	Crop Production
137	01.1099	Food Technology
144	01.1103	Horticulture Science
152	01.0904	Nutrition
153	01.0903	Pathology
156	01.1106	Range/Forestry/Fire Management
158	01.1106	Range Science
159	01.1106	Range/Soils
161	01.1106	Range/Wildlife
302	14.0301	Bioresource Engineering-GRAD
301	14.3401	Food Engineering
317	14.3601	Manufacturing Engineering
328	14.2301	Radiation Protection Engineer
381	14.0899	Forest - Civil Engineering
386	03.0509	Pulp and Paper Technology
702	15.0701	Occupational Safety
536	26.0702	General Entomology
539	26.9999	Biological Science
541	40.0699	Earth Science
544	40.0101	Physical Science
551	40.0601	Earth Materials
552	40.0601	Geomorphology/Engineer Geology
553	40.0601	Sedimentary Geology

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554	40.0601	Structure/Tectonics/Geophysics
564	27.0399	Applied Mathematics
566	27.9999	General Mathematics
568	27.9999	Pure Mathematics
589	40.0899	Applied Physics
591	26.0203	Biophysics
593	40.0603	Geophysics
594	40.0807	Optical Physics
1750	03.0601	Wildlife Science
1600	01.1201	Soil Science
1500	01.0907	Poultry Science
3000	14.0301	Agricultural Engineering
3020	14.0301	Bioresource Engineering
3060	14.0801	Civil Engineering
3190	14.3501	Industrial Engineering
3200	40.1001	Materials Science
3210	14.1901	Mechanical Engineering
3700	14.2401	Ocean Engineering
3800	14.3401	Forest Engineering
5060	26.0210	Biochemistry and Biophysics
5160	26.0399	Botany and Plant Pathology
5350	26.0702	Entomology
5500	40.0601	Geology
5820	14.3701	Operations Research
5900	40.0801	Physics
6150	27.0501	Statistics
6180	26.1004	Toxicology
6600	40.0607	Oceanography
8190	26.0801	Genetics
9940	26.0307	Plant Physiology
9930	26.1004	Toxicology
5390	26.0801	Genetics
345	14.0101	Pre-General Engineering
351	14.1901	Pre-Mechanical Engineering
370	14.2401	Ocean Engineering - GRAD ONLY
500	40.0401	Atmospheric Sciences
515	26.0301	Botany

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525	11.0101	Computer Science
618	26.1004	Toxicology
304	14.3401	Irrigation Engineering
861	45.0301	Archaeology/Physical Anthropol
567	27.9999	Numerical Mathematics
592	40.0810	Computational Physics
1020	40.0599	Agricultural Chemistry
1250	01.0901	Animal Science
3110	14.1001	Electrical and Computer Engr
3270	14.2301	Nuclear Engineering
5000	40.0401	Atmospheric Sciences
5200	40.0501	Chemistry
5600	27.0101	Mathematics
5700	26.0502	Microbiology
6200	26.0701	Zoology
569	27.9999	Comprehensive Math
127	01.0902	Animal Reproduction & Devel.
114	26.0601	Applied Genetics
115	26.0615	Biosystems Modeling
118	01.1105	Pest Bio & Manage
116	26.1201	Biotechnology
149	01.1104	Plant Growth & Development
142	26.0603	Sustainable Ecosystems
312	14.1201	Engineering Physics
318	14.3601	Industrial and Manufacturing E
6500	40.0603	Geophysics
588	40.0802	Chemical Physics
587	40.0810	Mathematical Physics
993	26.1004	Toxicology
313	14.0101	Non-Degree Professional Engr
556	40.0699	Environmental Geosciences
310	14.1401	Environmental Engineering
0002	14.0101	Engineering
502	40.0599	Aquatic Chemistry
503	40.0899	Aquatic Physics
501	26.0607	Aquatic Biology
504	40.0599	Environmental Chemistry

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529	26.0603	Terrestrial Ecosystems
533	26.0603	Forest Ecology
532	40.0101	Ocean/Atmos/Land Systems
3115	14.3601	Manufacturing Engineering
332	14.1401	Pre-Environmental Engineering
311	14.1401	Environmental Engineering
134	01.0999	Individual Studies
526	40.0401	Atmospheric Processes
331	14.0501	Pre-Biological Engineering
299	14.0501	Biological Engineering
572	26.0607	Marine Biology
323	14.3501	Industrial Engineering
3240	14.0903	Software Engineering
334	11.0501	Computer Systems
344	11.0401	Information Systems
354	11.0701	Applied Computer Science
5890	40.0899	Applied Physics
508	26.0401	Cell Biology
361	14.0899	Pre-Forest/Civil Engineering
511	26.1201	Biotechnology (Biology)
169	26.0603	Applied Ecology & Resource Mgt
518	26.0210	Biochemistry
522	40.1001	Materials Science
521	40.0501	Advanced Chemistry
519	26.0210	Advanced Biochemistry
510	26.0399	Botanical Research
512	26.0399	Fungal Biology
513	26.0399	Plant Ecology & Systematics
514	26.0399	Plant Molecular Genetics & Bio
517	26.0601	Genetics
505	40.0599	Forensic Science
557	26.0399	Botany
558	26.9999	Biological Sciences
298	14.0501	Bioengineering
294	14.0501	Pre-Bioengineering
325	14.0701	Chemical Engineering Science
330	14.0701	Biochemical Engineering

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340	14.0701	Chem Proc Cont & Data Mgt
341	14.0701	Chemical Process Engineering
343	14.0701	Environ Process Engineering
346	14.0701	Information Tech Engineering
347	14.0701	Materials Science & Engineer
349	14.0701	Microelectronics Processing
350	14.0701	Micro-energy & Chem Sys Engin
352	14.0701	Premedical
353	14.0805	Water Science & Resources
559	26.0399	Pre-Professional Teach Botany
360	14.3501	Pre-Industrial Engineering
363	14.3601	Pre-Manufacturing Engineering
324	14.3601	Information Systems Engineer
113	26.1201	Bioresource Research
3030	14.0701	Chemical Engineering
329	14.0101	Non-Degree Pre-Engineering
357	14.2301	Pre-Nuclear Engineering
9950	26.0406	Molecular and Cellular Biology
355	14.0701	Business Engineering
209	01.1101	Plant Breeding and Genetics
359	01.1102	Ecosystem Analysis and Policy
630	40.0699	Earth System Science
631	40.0699	Applied Earth Science
362	03.0101	Fish and Wildlife Conservation
3380	14.3301	Construction Engineering Mgt
487	14.0701	Microelec Proc & Materials Sci
488	14.0701	Biochemical Processes
489	14.0701	Environmental Processes
3100	14.0805	Water Resources Engineering
3530	40.0605	Water Resources Science
4500	14.0301	Biological & Ecological Engr.
490	40.0599	Environmental Chem for Env Sci
623	14.3401	Forest Operations Management
030	14.1001	Pre-Elect & Computer Engineer
626	26.1201	Water Resources
627	26.1201	Genomics/Bioinformatics
629	15.0613	Production Technology

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450	14.0301	Ecological Engineering
653	31.0101	Tourism and Outdoor Leadership
654	14.0301	Pre-Ecological Engineering
3850	.	Forest Management (pre-Banner)
CG07	03.0205	Marine Resource Management
577	03.0104	Environmental Conserv and Sust
472	26.0702	Entomology
262	40.0601	Geology
264	40.0699	Earth Systems
834	40.0699	Earth Sciences
498	30.1801	Non-Degree Earth, Ocean, Atmos
473	09.0702	Digital Communication Arts
815	26.1201	Bioproducts and Bioenergy
816	26.1201	Climate and Biosystems Modelng
5001	40.0607	Ocean, Earth and Atmos Sci
257	14.2701	Pre-Energy Systems Engineering
260	14.2701	Energy Engineering Mgmt
4501	26.1399	Applied Systematics in Botany
4502	26.1201	Applied Biotechnology
497	26.1201	Bioenergy
870	30.3301	Sustainability
293	14.9999	Energy Systems Engineering
3310	14.1401	Environmental Engineering
3195	14.3501	Engineering Management
659	40.0699	Ocean Science
767	26.1201	Bioenergy
768	26.1201	Bioproducts
658	27.0101	Statistics
3222	14.1901	Renewable Energy
3250	14.4201	Robotics
3255	14.4201	Robotics
584	26.0101	Pre-Veterinary Medicine
715	26.0101	Ecology
713	26.0101	Pre-Dentistry/Biology
714	26.0101	Pre-Medicine/Biology
3220	14.1901	Materials Mechanics
3225	14.1901	Robotics

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3230	14.1901	Thermal Fluid Sciences
476	14.0101	International Engineering
CG13	03.0508	Urban Forestry
835	40.0699	Earth Sciences
3196	14.3501	Manufacturing Syst Engineering
3191	14.3501	Advanced Manufacturing
3192	14.3501	Human Systems Engineering
3193	14.3501	Information Systems Engineerng
810	14.3401	Pre-Forestry
820	14.3401	Forestry
823	14.3401	Forest Operations Management
822	14.3401	Forest Management
825	14.3401	Pre-Forest Engineering
3215	14.1901	Design
586	40.0801	Biological Physics
692	27.0101	Applied and Computational Math
3271	14.2301	Warsaw Uni of Tech Co-Tutelage