

PRE-FOREST ENGINEERING-CIVIL ENGINEERING

Admission to the pre-professional program requires that a student is admitted as a degree-seeking undergraduate or post-baccalaureate level student at Oregon State University. Courses included in the first and sophomore years comprise a pre-professional program of study that produces a solid foundation for professional program studies at the junior, senior, and advanced degree levels. The pre-professional program may be taken at Oregon State University or at any accredited college or university that offers equivalent courses transferable to OSU in conjunction with foundation forestry available via OSU Ecampus.

Grade standards for the pre-professional program as listed in the program description apply.

Course	Title	Hours
First Year		
CCE 101	CIVIL AND CONSTRUCTION ENGINEERING ORIENTATION ^{1,2}	2
CH 201	CHEMISTRY FOR ENGINEERING MAJORS ^{1,3}	3
CH 202	CHEMISTRY FOR ENGINEERING MAJORS ^{1,2}	3
CH 205	LABORATORY FOR CH 202 ^{1,2}	1
COMM 111 or COMM 114	*PUBLIC SPEAKING ^{1,3} or *ARGUMENT AND CRITICAL DISCOURSE	3
ECON 201	*INTRODUCTION TO MICROECON ^{1,4}	4
FE 101	INTRODUCTION TO FOREST ENGINEERING ¹	2
FE 102	FOREST ENGINEERING PROBLEM SOLVING AND TECHNOLOGY ^{1,3}	3
FES 240	*FOREST BIOLOGY ^{1,2}	4
HHS 231	*LIFETIME FITNESS FOR HEALTH ⁴	2

HHS 241	*LIFETIME FITNESS (or any PAC course) ⁴	1-2
MTH 251	*DIFFERENTIAL CALCULUS ^{1,3}	4
MTH 252	INTEGRAL CALCULUS ^{1,3}	4
MTH 254	VECTOR CALCULUS I ^{1,3}	4
PH 211	*GENERAL PHYSICS WITH CALCULUS ^{1,3,4}	4
WR 121	*ENGLISH COMPOSITION ^{1,3}	3
		Hours 47-48

Second Year

CCE 201	CIVIL AND CONSTRUCTION ENGINEERING GRAPHICS AND DESIGN ¹	3
ENGR 211	STATICS ^{1,3}	3
ENGR 212	DYNAMICS ^{1,2}	3
ENGR 213	STRENGTH OF MATERIALS ^{1,3}	3
FE 208	FOREST SURVEYING ¹	4
FE 209	FOREST PHOTOGRAMMETRY AND REMOTE SENSING ¹	4
FE 257	GIS AND FOREST ENGINEERING APPLICATIONS ^{1,2}	3
FES 241	DENDROLOGY ¹	3
MTH 256	APPLIED DIFFERENTIAL EQUATIONS ^{1,3}	4
MTH 306	MATRIX AND POWER SERIES METHODS ^{1,3}	4
PH 212	*GENERAL PHYSICS WITH CALCULUS ^{1,3,4}	4
PH 213	*GENERAL PHYSICS WITH CALCULUS ^{1,3,4}	4

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Select one of the following:		4-5
SOIL 205 & FOR 206	SOIL SCIENCE and *FOREST SOILS LABORATORY FOR SOIL 205 ^{1,4}	
SOIL 205 & SOIL 206 & FOR 208	SOIL SCIENCE and *SOIL SCIENCE LABORATOR FOR SOIL 205 and FOREST SOILS RECITATION 1,4	
ST 314	INTRODUCTION TO STATISTICS FOR ENGINEERS 1,2	3
WR 327	*TECHNICAL WRITING ¹	3
	Hours	52-53
	Total Hours	99-101

¹ Required for entry into the Forest Engineering Professional Program.

² Additional recommended courses for Pre-Civil Engineering Program.

³ Required courses for Pre-Civil Engineering Program.

⁴ Must be selected to satisfy baccalaureate core requirements.

* Baccalaureate Core Course (BCC)

^ Writing Intensive Course (WIC)

Pre-Forest Engineering-Civil Engineering Major Code: 361