

# B.S. in Forest Engineering & Civil Engineering

2024-2025

	Fall		Winter		Spring		
<b>First Year</b>	CH 201: Chemistry for Engineers I	3	CH 202: Chemistry for Engineers II	3	CH 205: Chem for Engineering Lab	1	
	ENGR 100: OR State Engr Student	3	<i>COMM 111Z/114: Communication</i>	3-4	<i>ECON 201: Intro to Microeconomics</i>	4	
	FE 101: Intro to Forest Engineering	2	FE 102: FE Problem Solving & Technology	3	<i>FES 240: Forest Biology</i>	4	
	<i>MTH 251: Differential Calculus</i>	4	ENGR 102: Design Engineering	3	MTH 254: Vector Calculus	4	
	<i>WR 121Z: English Composition</i>	4	MTH 252: Integral Calculus	4	<i>PH 211: General Physics with Calc I</i>	4	
Total Credits	16	Total Credits	16-17	Total Credits	17		
<b>Second Year</b>	CCE 201: Civil Engr Graphics & Design	3	ENGR 213: Strength of Materials	3	ENGR 212: Dynamics	3	
	ENGR 211: Statics	3	FE 257: GIS & Forest Engr Applications	3	FES 241: Dendrology	3	
	FE 208: Forest Surveying	4	PH 213: General Physics with Calc III	4	MTH 256: Applied Diff. Equations	4	
	MTH 264: Intro to Matrix Algebra	2	ST 314: Statistics for Engineers	3	<i>SOIL 205: Soil Science</i>	3	
	MTH 265: Intro to Series	2	<i>WR 227Z: Technical Writing</i>	4	<i>FOR/SOIL 206: Forest Soils Lab</i>	1	
PH 212: General Physics with Calc II	4						
Total Credits	18	Total Credits	17	Total Credits	14		
<b>Third Year</b>	FE 312: Forestry Field School	2	FE 315: Soil Engineering	4	FE 310: Forest Route Surveying	4	
	FE 434: Forest Watershed Mgmt	4	FE 440: Forest Operations Analysis	4	FE 316: Soil Mechanics	4	
	FE 371: Harvesting Processes Engr	4	FE 470: Logging Mechanics	4	FOR 332: Forest Resource Econ II	2	
	FOR 321: Forest Mensuration	5	FOR 329: Forest Resource Econ I	4	<i>GEOG 300 or FW 350</i>	3	
					<i>HHS 231: Lifetime Fitness</i>	2	
Total Credits	15	Total Credits	16	<i>PAC/HHS 241 or PAC: Fitness Activity</i>	1	Total Credits	16
<b>Fourth Year</b>	CCE 321: Civil & Const Engr Materials	4	CE 313: Hydraulic Engineering	4	CE 481: Reinforced Concrete I	4	
	CE 311: Fluid Mechanics	4	CE 382: Structural Theory II	4	CE 491: Transportation Engineering	3	
	CE: 381: Structural Theory I	4	CE 392: Intro to Highway Engr	4	ENVE 321: Env Engr Fundamentals	4	
	FOR 441: Silvicultural Principles	4	<i>Bacc Core – Literature Arts</i>	3	<i>Bacc Core – Cultural Diversity</i>	3	
	Total Credits	16	Total Credits	15	Total Credits	14	Total Credits
	CE 383: Design of Steel Structures	4	CE 418: Civil Engr Professional Practice	3	CE 419: Civil Infrastructure Design	3	
	FE 444: For Remote Sensing & Photo	4	FE 415: Forest Road Engineering	4	FE 416: Forest Road System Mgmt	4	
	FE 457: Tech for Forest Res Analysis	4	FE 459: Forest Mgmt Planning & Design I	3	FE 469: For Mgmt Plan& Design II	4	
	<i>FE 463: Forest Policy @ Regulations</i>	3	FE 480: Forest Engr Practice & Prof.	1	<i>Bacc Core – Global Issues or STS</i>	3	
			<i>Bacc Core – Western Culture</i>	3	<i>Bacc Core – Diff, Power, Disc.</i>	3	
Total Credits	15	Total Credits	14	Total Credits	17	Total Credits	17

Courses in italics fulfill Bacc Core requirements. This is a sample schedule intended for informational purposes only. Students should consult with their OSU academic advisor to create a personalized degree plan.