

# B.S. in Forest/Civil Engineering

2020-2021

	Fall		Winter		Spring	
<b>First Year</b>	MTH 251: Differential Calculus CH 201: Chemistry for Engineers I CCE 101: Civil & Const. Engr. Orientation FE 101: Intro to Forest Engineering WR 121: English Composition	4 3 2 2 3	MTH 252: Integral Calculus CH 202: Chemistry for Engineers II ECON 201: Intro to Microeconomics FE 102: FE Problem Solving & Technology HHS 231: Lifetime Fitness PAC/HHS 241 or PAC: Fitness Activity	4 3 4 3 2 1	MTH 254: Vector Calculus PH 211: General Physics with Calc I FES 240: Forest Biology COMM 111/114: Communication CH 205: Chem for Engineering Lab	4 4 4 3 1
	Total Credits	14	Total Credits	17	Total Credits	16
<b>Second Year</b>	MTH 264: Intro to Matrix Algebra MTH 265: Intro to Series PH 212: General Physics with Calc II ENGR 211: Statics FE 208: Forest Surveying CCE 201: Civil Engr Graphics & Design	2 2 4 3 4 3	ENGR 213: Strength of Materials PH 213: General Physics with Calc III FE 257: GIS & Forest Engr Applications ST 314: Statistics for Engineers WR 327: Technical Writing	3 4 3 3 3	MTH 256: Applied Diff. Equations ENGR 212: Dynamics FES 241: Dendrology SOIL 205: Soil Science FOR 206: Forest Soils Lab	4 3 3 3 1
	Total Credits	18	Total Credits	16	Total Credits	14
<b>Third Year</b>	FE 434: Forest Watershed Mgmt FOR 321: Forest Mensuration FE 371: Harvesting Processes Engr FE 312: Forestry Field School	4 5 4 2	FE 315: Soil Engineering FE 440: Forest Operations Analysis FE 470: Logging Mechanics FOR 329: Forest Resource Econ I	4 4 4 4	FE 310: Forest Route Surveying FE 316: Soil Mechanics FOR 441: Silvicultural Principles GEOG 300 or FW 350	4 4 4 3
	Total Credits	15	Total Credits	16	Total Credits	15
<b>Fourth Year</b>	CE 311: Fluid Mechanics CE: 381: Structural Theory I CCE 321: Civil & Const Engr Materials CE 361: Surveying Theory	4 4 4 4	CE 313: Hydraulic Engineering CE 382: Structural Theory II CE 392: Intro to Highway Engr Bacc Core – Literature Arts Bacc Core – Western Culture	4 4 4 3 3	CE 481: Reinforced Concrete I CE 491: Transportation Engineering ENVE 321: Environ Engr Fundamentals ENGR 201: Electrical Fundamentals Bacc Core – Cultural Diversity	4 3 4 3 3
	Total Credits	16	Total Credits	18	Total Credits	17
<b>Fifth Year</b>	CE 383: Design of Steel Structures FE 457: Tech for Forest Res Analysis FE 444: For Remote Sensing & Photo FOR 330: Forest Resource Econ II FE 460: Forest Op Regulations & Policy	4 3 4 4 3	CE 418: Civil Engr Professional Practice FE 459: Forest Mgmt Planning & Design I FE 415: Forest Road Engineering FE 480: Forest Engr Practice & Prof. CE Design Elective	3 4 3 1 3	CE 419: Civil Infrastructure Design FE 469: For. Mgmt Planning & Design II FE 416: Forest Road System Mgmt Bacc Core – Contemp Global Issues Bacc Core – Diff, Power, Disc.	3 4 4 3 3
	Total Credits	18	Total Credits	14	Total Credits	17

This is a sample for informational purposes only. Consult an OSU academic advisor to create a personalized degree plan.