

# B.S. in Forest/Civil Engineering

2017-2018

	Fall		Winter		Spring	
<b>First Year</b>	<i>MTH 251: Differential Calculus</i>	4	MTH 252: Integral Calculus	4	MTH 254: Vector Calculus	4
	CH 201: Chemistry for Engineers I	3	CH 202: Chemistry for Engineers II	3	<i>PH 211: General Physics with Calc I</i>	4
	CCE 101: Civil & Const. Engr. Orientation	2	<i>ECON 201: Intro to Microeconomics</i>	4	<i>FES 240: Forest Biology</i>	4
	FE 101: Intro to Forest Engineering	2	FE 102: FE Problem Solving & Technology	3	<i>COMM 111/114: Communication</i>	3
	<i>WR 121: English Composition</i>	3	<i>HHS 231: Lifetime Fitness</i>	2	CH 205: Chem for Engineering Lab	1
				<i>HHS 241 or PAC: Fitness Activity</i>	1-2	
			Free Elective	1		
	Total Credits	14	Total Credits	17-18	Total Credits	16
<b>Second Year</b>	MTH 306: Matrix & Power Series Meth.	4	ENGR 213: Strength of Materials	3	MTH 256: Applied Diff. Equations	4
	PH 212: General Physics with Calc II	4	PH 213: General Physics with Calc III	4	ENGR 212: Dynamics	3
	ENGR 211: Statics	3	FE 257: GIS & Forest Engr Applications	3	FES 241: Dendrology	3
	FE 208: Forest Surveying	4	ST 314: Statistics for Engineers	3	<i>SOIL 205: Soil Science</i>	3
	CCE 201: Civil Engr Graphics & Design	3	FE 209: Photogrammetry & Remote Sens.	4	<i>FOR 206: Forest Soils Lab</i>	1
					<b>Apply to FE Pro-School</b>	
	Total Credits	18	Total Credits	17	Total Credits	14
<b>Third Year</b>	<b>FE Pro-School</b>		FE 307: Forest Engineering Seminar	1	FE 310: Forest Route Surveying	4
	FE 434: Forest Watershed Mgmt	4	FE 315: Soil Engineering	4	FE 316: Soil Mechanics	4
	FOR 321: Forest Mensuration	5	FE 440: Forest Operations Analysis	4	FOR 330: Forest Resource Econ II	4
	FE 371: Harvesting Processes Engr	4	FE 470: Logging Mechanics	4	FOR 441: Silvicultural Principles	4
	FE 312: Forestry Field School	2	FOR 331: Forest Resource Econ II	4	<b>Apply to CE Pro-School</b>	
	Total Credits	16	Total Credits	17	Total Credits	16
<b>Fourth Year</b>	<b>CE Pro-School</b>		CE 313: Hydraulic Engineering	4	CE 383: Design of Steel Structures	4
	CE 311: Fluid Mechanics	4	CE 382: Structural Theory II	4	ENVE 321: Environ Engr Fundamentals	4
	CE: 381: Structural Theory I	4	CE 392: Intro to Highway Engr	4	ENGR 201: Electrical Fundamentals	3
	CCE 321: Civil & Const Engr Materials	4	<i>WR 327: Technical Writing</i>	3	<i>Bacc Core – Western Culture</i>	3
	CE 361: Surveying Theory	4			<i>Bacc Core – Cultural Diversity</i>	3
	Total Credits	16	Total Credits	15	Total Credits	17
<b>Fifth Year</b>	CE 481: Reinforced Concrete I	4	CE 418: Civil Engr Professional Practice	3	CE 419: Civil Infrastructure Design	4
	CE 491: Transportation Engineering	3	FE 459: Forest Mgmt Planning & Design I	4	FE 469: Forest Mgmt Planning & Design II	4
	<i>GEOG 300: Sustainability for Com. Good</i>	3	FE 415: Forest Road Engineering	3	FE 416: Forest Road System Mgmt	4
	FE 457: Tech for Forest Res Analysis	4	<i>FE 456: International Forestry</i>	3	CE Design Elective	3
	<i>Bacc Core – Literature Arts</i>	3	<i>FE 460: Forest Op Regulations &amp; Policy</i>	3	<i>Bacc Core – Diff, Power, Disc.</i>	3
			FE 480: Forest Engr Practice & Prof.	1		
	Total Credits	17	Total Credits	17	Total Credits	18

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