

B.S. in Wood Innovation for Sustainability

Science & Engineering Option | 2025-2026

	Fall		Winter		Spring		Opportunities
First Year	CH 121: General Chemistry I CORE 100 or 300: Transitions MTH 251Z: Differential Calculus WSE 111: Wood Innovation for Sus	5 2 4 2	CH 122: General Chemistry II COMM 111z or 114 or 218z: Speech FOR 112: Computing Apps in Forestry MTH 252Z: Integral Calculus	5 3-4 3 4	CH 123: General Chemistry III FOR 111: Intro to Forestry MTH 254: Vector Calculus WR 121Z: English Composition	5 3 4 4	Work Experience, Volunteer, or internship
	Total Credits	13	Total Credits	15-16	Total Credits	16	
Second Year	PH 211: General Physics w/ Calc. WSE 210: Bio, Structure, Utilization WSE 211: Woodturning I CORE: Arts @ Humanities General	4 4 4 3-4	ECON 201Z: Intro to Macroeconomics PH 212: General Physics w/ Calc WR 214: Business Writing or WR 227Z: Technical Writing WSE 250: CAD for Wood Products	4 4 3-4 3	FES 240: Forest Biology PH 213: General Physics w/ Calc ST 243Z, 314, or 351: Stats WSE 225: Bldg Design with Wood	4 4 3-4 3	Work Experience, Volunteer, or internship
	Total Credits	15-16	Total Credits	14-15	Total Credits	14-15	
Third Year	WSE 320: Wood Anatomy WSE 321: Wood Chemistry Area of Concentration course 1 of 4 CORE: Arts @ Humanities Global	3 3 4 3-4	WSE 322: Phys & Mech Prop of Wood Area of Concentration course 2 of 4 CORE: Diff/Power/Opp Foundations Free elective	4 4 3-4 4	WSE 324: Phys & Mech Prop of Wood WSE 385 or 471: Building Materials CORE: Diff/Power/Opp Advanced Free Elective Free Elective	4 3 3 3 2	Work Experience, Volunteer, or internship September: WSE 465 Field Trip
	Total Credits	16	Total Credits	15-16	Total Credits	15	
Fourth Year	WSE 425: Timber Tectonics WSE 465: Wood Prod Field School WSE 461: Intro Wood Prod Mfg Area of Concentration course 3 of 4 Free Elective	4 2 4 4 2	WSE 008: Beyond OSU - Engage WSE 453: Forest Products Business WSE 462: Advanced Manufacturing I Area of Concentration course 4 of 4 CORE: Seeking Solutions	0 3 4 4 3-4	WSE 430: Engineering Mechanics WSE 463: Advanced Manufacturing II Free Elective Free Elective to reach 180 cr. total	4 4 3 3+	
	Total Credits	16	Total Credits	14-15	Total Credits	14+	

This is a sample schedule intended for informational purposes only. Students should consult with their OSU academic advisor to create a personalized plan. Core Ed Courses are italicized.