

**FALL:**  
CEA Madrid, Spain  
CEA Paris, France

**FALL:**  
CEA Madrid, Spain  
Swinburne, Australia

**SPRING:**  
Munich, Germany

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR			
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
Intro. to the Environmental Engineering Profession <b>ENVE 111 (1)</b>	Computer Aided Drafting in Civil Engineering <b>CE 113 (2)</b> (ENVE 111 or CE 1121)		Engineering Statics <b>ME 211 (3)</b> (MATH 241, PHYS 131 or 141)	Noise & Vibration Control <b>ENVE 309 (3)</b> (MATH 241 and PHYS 132, ENGL 1491)	Air Quality Engineering <b>ENVE 325 (4)</b> (CHEM 125 or 128)	Environmental Fluid Mechanics <b>ENVE 264 (4)</b> (MATH 241, PHYS 132, and ME 211)	Water Chemistry & Water Quality Measurements <b>ENVE 434 (4)</b> (CHEM 125 or 129, ENVE 330 or 331)	Mass Transfer Operations <b>ENVE 421 (4)</b> (ENVE 325, 331, 304 or ME 302, ENVE 264 or ME 341)	Groundwater Hydraulics and Hydrology <b>CE 434 (4)</b> (CE 336)		Industrial Pollution Prevention <b>ENVE 450 (4)</b> (ENVE 331)	
	General Physics IA <b>PHYS 141 (4)</b> (MATH 141 w/min C; MATH 1421 or 1821) [Add'l Area B]	General Physics II <b>PHYS 132 (4)</b> (PHYS 131 or HWBS 131 or PHYS 241)	General Physics III <b>PHYS 133 (4)</b> (PHYS 131 or HWBS 131 or PHYS 141, and MATH 142, Recom: MATH 241)	Mechanics of Materials I <b>CE 204 (3)</b> (ME 211)	Mechanics of Materials II <b>CE 207 (2)</b> (CE 204)	Programming Applications in Engineering <b>CE 251 (2)</b> (CE 113, CE 204 and MATH 244)	Process Thermodynamics <b>ENVE 304 (3)</b> (CHEM 125 or 129; ENVE 331)	Water & Wastewater Treatment Design <b>ENVE 438 (3)</b> (ENVE 331 and ME 341 or ENVE 264)	Choose 12 units from the following: Air Pollution Control <b>ENVE 411 (4)*</b> OR Sustainable Solid Waste Eng <b>ENVE 439 (4)*</b> OR Envir Engineering of Energy <b>ENVE 480 (4)*</b> OR Intro Haz Waste Mgmt <b>ENVE 436 (4)*</b> OR Envir Health & Safety <b>ENVE 455 (4)*</b> OR Bioremediation Eng <b>ENVE 443 (4)*</b>			
Calculus I <b>MATH 141 (4)</b> * [B1]	Calculus II <b>MATH 142 (4)</b> (MATH 141 w/min C) [B1]	Calculus III <b>MATH 143 (4)</b> (MATH 142 w/min C) [Add'l Area B]	Calculus IV <b>MATH 241 (4)</b> (MATH 143)	Intro. to Environmental Engineering <b>ENVE 331 (4)</b> (CHEM 125 or 128, MATH 242 or 2441)		Statistical Methods for Engineers <b>STAT 312 (4)</b> (MATH 142) [B6]	Water Resources Engineering <b>CE 334 (4)</b> (ME 341 or ENVE 331)	Engineering <b>ENVE 438 (4)</b> (ENVE 331, CE 3371)	Senior Project Design Laboratory I & II <b>ENVE 466 (2)</b> (ENVE 438 and Sr standing, CE 3361, Recom: CE 465)		<b>ENVE 467 (2)</b> (ENVE 466)	Approved Technical Elective <b>(4)<sup>1</sup></b> ***
General Chemistry for Physical Science & Engineering I <b>CHEM 124 (4)</b> * [B3/B4]	General Chemistry for Physical Science & Engineering II <b>CHEM 125 (4)</b> (CHEM 124, or AP Chemistry score of 5)	General Chemistry for Physical Science & Engineering III <b>CHEM 126 (4)</b> (CHEM 125 w/min C)	Survey of Organic Chemistry <b>CHEM 312 (5)</b> (CHEM 125 or 128)	Linear Analysis I <b>MATH 244 (4)</b> (MATH 143)	Choose one: <b>MCRO 221 (4)*</b> or <b>MCRO 224 (5)*</b> [B2]	Hydraulics Laboratory <b>CE 333 (1)</b> (ENVE 264 or ME 341, CE 3361)	Geotechnical Engineering <b>CE 381 (4)</b> (CE 207; ME 341 or ENVE 264, CE 3821)	Air Quality Measurements <b>ENVE 426 (3)</b> (ENVE 325, CHEM 112/312, ENVE 264 or ME 341, STAT 312, and ENGL 1491)	Civil Engineering Professional Practice <b>CE 465 (1)</b> (Sr standing and Inter consent)	Approved Technical Elective <b>(4)<sup>1</sup></b> ***	Approved Technical Elective <b>(4)<sup>1</sup></b> ***	
Expository Writing <b>ENGL 133/134 (4)**</b> [A1]	Oral Communication <b>COMS 101/102 (4)**</b> [A2]		Technical Writing for Engineers <b>ENGL 149 (4)</b> (Completion of GE A1 with a C- or better. Can be taken anytime between Winter of Sophomore and Winter of Junior Years)	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	Approved Technical Elective <b>(2)<sup>1</sup></b> ***	GE (4) **	GE (4) **	
13	18	16	16	18	15	14	16	18	17	14	16	
											TOTAL:	190-191

**FALL-SPRING:**  
CSU IP – Queretaro Mexico

**SUMMER:**  
China - Engineering

**SUMMER:**  
Munich, Germany  
TECNUN, Spain

**FALL-SPRING 2<sup>nd</sup> Yr:** CSU IP Querétaro, Mexico: CE 204, CE 207, MATH 241, MATH 244, ME 211, ME 212, ENVE 264; GE C1 or C2

**FALL 2<sup>nd</sup> or 3<sup>rd</sup> Yr:** CEA Madrid, Spain: ENVE 302/ME 302, ENVE Technical Electives GE C1 and/or C2, C3

CEA Paris, France: Math 241, ME 211; GE C1 or C2, C4

**SUMMER 2<sup>nd</sup> Yr:** China Engineering: STAT 312, ENGR 400 & IME 471 for 2 units of Tech Electives

Swinburne, Australia: ENVE 304/ME 302, ENVE 331, CE 381, IME 314 (Tech Elective)

**SPRING 3<sup>rd</sup> Yr:** Munich, Germany: ENVE Tech Electives

**SUMMER 3<sup>rd</sup> Yr:** Munich, Germany: GE C1 or C2 and Tech Electives (6 units)

TECNUN, Spain: GE C1 or C2 and CE Tech Electives (2 units)