

Updated 9/12/2017

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Introduction to Engineering ENGR 110 (2)	Introduction to Design & Manufacturing IME 144 (4)	Fundamentals of Computer Science CSC/CPE 101 (4)² *	Engineering Statics ME 211 (3) (MATH 241, PHYS 131 or 141)	Engineering Dynamics ME 212 (3) (MATH 241; ME 211 or ARCE 211)	Engineering Economics IME 314 (3) (MATH 241)	Thermodynamics I ME 302 (3) (ME 212 and PHYS 132)	Fluid Mechanics I ME 341 (3) (MATH 242 or 244; ME 212)	Heat Transfer ME 350 (4)³ (CPE/CSC 101 or CSC 231 or 234; MATE 210 & 215; or ME 212 and 302 & ME 341)	Interdisc Sr Design Project I ENGR 459 (2) (Sr. standing)	Interdisc Sr Design Project II ENGR 460 (2) (ENGR 459)	Interdisc Sr Design Project III ENGR 461 (2) (ENGR 460)
Calculus I MATH 141 (4) * [B1]	Calculus II MATH 142 (4)¹ (MATH 141 w/min C-) [B1]	Calculus III MATH 143 (4)¹ (MATH 142 w/min C-) [Add'l Area B]	Calculus IV MATH 241 (4) (MATH 143)	Linear Analysis I MATH 244 (4) (MATH 143)	Electric Circuit Theory & Lab EE 201 (3) & EE 251 (1) (MATH 244, PHYS 133)	Materials Engineering & Lab I MATE 210 (3) & MATE 215 (1) (CHEM 111, 124, or 127)	General Curriculum ² : Data Structures CPE/CSC 202 (4) (CSC/CPE 101 w/min C- & MATH 141 or 221 w/min C-, or Inst. consent)	General Curriculum ² : Digital Design CPE 133 (4) (CPE/CSC 101)	General Curriculum ² : Mechanics of Materials II CE 207 (2) (CE 204)	General Curriculum ² : Approved Elective 300-lvl or higher (4)	General Curriculum ² : Approved Elective 300-lvl or higher (4)
	General Physics IA PHYS 141 (4)¹ (MATH 141 w/min C-, MATH 142 or 182) ¹ [Add'l Area B]	General Physics II PHYS 132 (4) (PHYS 131 or HNRS 131 or PHYS 141)	General Physics III PHYS 133 (4) (PHYS 131, 141, or HNRS 131; MATH 142, Second; MATH 241)	Physical Science Elective (4)³ *	Mechanics of Materials I CE 204 (3) (ME 211)		General Curriculum ² : Approved Elective 300-lvl or higher (4)	General Curriculum ² : Electronics & Lab EE 321 (3) (EE 201) & EE 361 (1)	General Curriculum ² : Choose one: CPE/CE 329 or IME 356 or ME 305 (3)² *	General Curriculum ² : Approved Elective 300-lvl or higher (4)	General Curriculum ² : Approved Elective 300-lvl or higher (4)
Choose one: General Chemistry I CHEM 124 OR CHEM 127 (4)¹* [B3/B4]	Choose one: General Chemistry II CHEM 125 OR CHEM 128 (4)¹*			Take concurrently: BIO 213 (2), BMED/BRAE 213 (2)¹ (MATH 142, Recom: CHEM 124) [B2]	Math or Stat Elective MATH 344, STAT 312, or STAT 350 (4)³* [B5]				Physical Science Elective (4)³ *	General Curriculum ² : Product-Process Design IME 418 (4) (Sr. standing, Recom: IME 450)	General Curriculum ² : Approved Elective 300-lvl or higher (2)
Expository Writing ENGL 133/134 (4)^{**} [A1]			Expository Writing ENGL 149 (4)¹ [A3]			Graduation Writing Requirement GE (4)^{**}			Graduation Writing Requirement GE (4)^{**}		
Oral Communication COMS 101/102 (4)^{**} [A2]			Oral Communication COMS 101/102 (4)^{**} [A2]			Oral Communication COMS 101/102 (4)^{**} [A2]			Oral Communication COMS 101/102 (4)^{**} [A2]		
Technical Writing ENGL 149 (4)¹ (Completion of GE A1 with a C- or better be taken anytime between Winter of Freshman and Winter of Sophomore years)			Technical Writing ENGL 149 (4)¹ (Completion of GE A1 with a C- or better be taken anytime between Winter of Freshman and Winter of Sophomore years)			Technical Writing ENGL 149 (4)¹ (Completion of GE A1 with a C- or better be taken anytime between Winter of Freshman and Winter of Sophomore years)			Technical Writing ENGL 149 (4)¹ (Completion of GE A1 with a C- or better be taken anytime between Winter of Freshman and Winter of Sophomore years)		
14	16	16	15	15	18	15	15	16	16	14	16
										TOTAL: 186	

FALL:
CEA Madrid, Spain

FALL:
Swinburne, Australia
CEA Madrid, Spain
TECNUN, Spain
Lucerne, Switzerland

SPRING:
Munich, Germany

FALL:
Lucerne, Switzerland
Chalmers, Sweden
KTH, Sweden
TECNUN, Spain
Swinburne, Australia

FALL-SPRING:
CSU IP Queretaro, Mexico

SUMMER:
TECNUN, Spain

SUMMER:
TECNUN, Spain
Munich, Germany

FALL 2nd Yr: CEA Madrid, Spain: PHYS 133, EE 201, MATE 210, MATH 244, ME 211, ME 212, ME 341; GE C1 or C2

FALL-SPRING 2nd Yr: CSU IP Queretaro, Mexico: MATE 210, CE 204, MATH 241, MATH 244, ME 211, ME 212, ME 302, ME 341; GE C1 or C2

SUMMER 2nd Yr: TECNUN, Spain: GE C1 or C2 and Tech Electives (2 units)

FALL 3rd Yr: CEA Madrid, Spain: EE 201, MATE 210, ME 341; GE C1 or C2

TECNUN, Spain: CE 204, EE201/251, IME 314, ME 302, ICS/Tech electives

Swinburne, Australia: MATE 210, BIO 213, EE 201/251, ME 301, ME 341, IME 314, ICS/Tech Electives

Lucerne, Switzerland: EE 321, ICS/ Tech Electives

SPRING 3rd Yr: Munich, Germany: ME 302, ME 341, Tech electives

SUMMER 3rd Yr: TECNUN, Spain: GE C1 or C2 and Tech Electives (2 units)

Munich, Germany: GE C1 or C2 and Tech Electives (6 Units)

FALL 4th Yr: Chalmers, Sweden: ICS/ Tech Electives

KTH, Sweden: ICS/ Tech Electives; GE C1 or C2

TECNUN, Spain: CE 204, EE201/251, IME 314, ME 302, ICS/Tech electives

Swinburne, Australia: MATE 210, BIO 213, EE 201/251, ME 301, ME 341, IME 314, ICS/Tech Electives

Lucerne, Switzerland: EE 321, ICS/ Tech Electives