



แผนการศึกษาหลักสูตรวิศวกรรมสิ่งแวดล้อม หลักสูตรปรับปรุง 2559

สำหรับนักศึกษาวิศวกรรมสิ่งแวดล้อมที่เข้าศึกษา ตั้งแต่ปีการศึกษา 2559 -2563

Year	SEMESTER I	Credit	SEMESTER II	Credit	SEMESTER III	Credit
1	102111 Fundamental Chemistry I	4	103102 Calculus II	4	103105 Calculus III	4
	102112 Fundamental Chemistry Lab. I	1	105101 Physics I	4	105102 Physics II	4
	103101 Calculus I	4	105191 Physics Lab. I	1	105192 Physics Lab. II	1
	202108 Digital Literacy	2	202201 Life Skills	3	202202 Citizenship and Global Citizens	3
	202109 Use of App. Programs for Learning	1	213102 English for Communication II	3	531101 Engineering Materials	4
	213101 English for Communication I	3	523101 Computer Programming I	2		
	525101 Engineering Graphic I	2				
	Total	17	Total	17	Total	16
Year	SEMESTER I	Credit	SEMESTER II	Credit	SEMESTER III	Credit
2	General Education (1)	2	General Education (2)	2	General Education (3)	2
	202207 Man Economy and Development	3	213204 English for Specific Purposes	3	202203 Man Society and Environment	3
	213203 English for Academic Purposes	3	530201 Engineering Statics	4	530233 Hydrology	3
	523201 Computer Programming II	2	532203 Environmental Chemistry I	3	532205 Environmental Chemistry II	3
	525204 Fluid Mechanics	4	532204 Environmental Chemistry Lab. I	1	532206 Environmental Chemistry Lab. II	1
	532201 Introduction to Envi. Engineering	3	532207 Environmental Biology	4	532209 Statics for Environmental Engineers	3
	532212 Fundamentals Envi. Engineering Lab.	1	532208 Environmental Biology Lab.	1	532211 Environmental Unit Operation	4
	Total	18	Total	18	Total	19
Year	SEMESTER I	Credit	SEMESTER II	Credit	SEMESTER III	Credit
3	General Education (4)	2	525206 Engineering Graphic II	2	532315 Environmental Engineering Lab. I	1
	213305 English for Careers	3	532312 Water Supply Engineering	4	532323 Building Sanitation	4
	530211 Mechanic of Materials I	4	532321 Air Pollution Engineering	4	532324 Design and Operation of Water and Wastewater Treatment Plants	4
	532313 Wastewater Engineering	4	532325 Industrial Wastewater Management	4	532480 Pre-envi. Engineering Project	1
	532322 Solid Waste Engineering	4	532333 Environmental Health Engineering	4	Engineering Elective (1)	4
	Total	17	Total	18	Total	14
Year	SEMESTER I	Credit	SEMESTER II	Credit	SEMESTER III	Credit
4	532421 Environmental Engineering Lab. II	1	532496 Cooperative Education I	8	Engineering Elective (3)	4
	532422 Environmental Impact Assessment	4			Free Elective	8
	532423 Hazardous Waste Management	4				
	532481 Environmental Engineering Project	3				
	532495 Pre-cooperative Education	1				
	Engineering Elective (2)	4				
	Total	17	Total	8	Total	12

จำนวนหน่วยกิตรวมตลอดหลักสูตร

191

รายวิชาหมวดศึกษาทั่วไป

รายวิชาพื้นฐานคณิตศาสตร์และวิทยาศาสตร์

รายวิชาพื้นฐานวิศวกรรมศาสตร์

รายวิชาเอก วิศวกรรมสิ่งแวดล้อม