

CURRICULUM

SEMESTER 1

Course	Subject	Credits
2147103*	Discrete Mathematics	3(3-0-6)
2190101	Computer Programming	3(3-0-6)
2301107	Calculus I	3(3-0-6)
2304153	Physics for Engineers	3(3-0-6)
2304193	Physics Laboratory for Engineers	1(0-3-0)
5501112	Communicative English I (General Education)	3(3-0-6)
xxxxxxx	(General Education 1)	3
	รวม	19 Credits

SEMESTER 2

Course	Subject	Credits
2301108	Calculus II	3(3-0-6)
2304154	Physics and Electronics for Engineers	3(3-0-6)
2304194	Physics and Electronics Laboratory for Engineers	1(0-3-0)
2182203	Probability and Statistics for Engineers	3(3-0-6)
5501123	Communicative English II (General Education)	3(3-0-6)
2147105*	Data Structure and Algorithm	3(3-0-6)
xxxxxxx	(General Education 2)	3
	รวม	19 Credits

SEMESTER 3

Course	Subject	Credits
2147204*	Linear Algebra and Multivariable Calculus	3(3-0-6)
5501214	Communication and Presentation Skills (General Education)	3(3-0-6)
2147206*	Fundamentals of Digital Circuits	3(3-0-9)
2183212	Statics	3(3-0-6)
2147211*	Engineering Design Process using CAD	3(3-0-6)
xxxxxxx	(General Education 3)	3
2147212*	Robotic Project I	1(0-3-0)
	รวม	19 Credits

SEMESTER 4

Course	Subject	Credits
5501225	Technical Writing (General Education)	3(3-0-6)
2183231	Dynamics	3(3-0-6)
xxxxxxx	(General Education 4)	3
xxxxxxx	(กลุ่มวิชาเลือก 1)	3
2147213*	Robotic Project II	3(0-6-3)
	รวม	15 Credits

SEMESTER 5

Course	Subject	Credits
2183213	Mechanics of Materials	3(3-0-6)
2147310*	Mechanical Engineering Design	3(3-0-6)
xxxxxxx	(General Education 5)	3
xxxxxxx	(กลุ่มวิชาเลือก 2)	3
xxxxxxx	(กลุ่มวิชาเลือก 3)	3
2147314*	Robotic Project III	1(0-3-0)
	รวม	16 Credits

SEMESTER 6

Course	Subject	Credits
2147307*	Logic Design	3(3-0-6)
2147308*	Industrial Robot	3(3-0-9)
2147309*	Mechatronics	3(3-0-6)
xxxxxxx	(General Education 6)	3
2147315*	Robotic Project IV	3(0-6-3)
	รวม	15 Credits

SEMESTER 7 (SUMMER)

Course	Subject	Credits
2140301	Industrial Training	2
	รวม	2 Credits

SEMESTER 8

Course	Subject	Credits
xxxxxxx	(กลุ่มวิชาเลือก 4)	3
xxxxxxx	(กลุ่มวิชาเลือก 5)	3
xxxxxxx	(กลุ่มวิชาเลือก 6)	3
xxxxxxx	(วิชาเลือกเสรี 1)	3
2147416*	Final Project I	3(0-6-3)
	รวม	15 Credits

SEMESTER 9

Course	Subject	Credits
xxxxxxx	(กลุ่มวิชาเลือก 7)	3
xxxxxxx	(กลุ่มวิชาเลือก 8)	3
xxxxxxx	(วิชาเลือกเสรี 2)	3
2147417*	Final Project II	6 (0-12-4)
	รวม	15 Credits

รวมทั้งหมด **135 Credits**