2024-2025

AS ENGINEERING SCIENCE, CURRICULUM 0530/2617

4 Semester plan

Semester 1		**Crs**
ENGL 101	Composition & Spoken Word	3
ENGS 101	Introduction to Engineering	2
MATH 161	Calculus I	4
CHEM 150	College Chemistry I	4
PHYS 131	University Physics I	3
PHYS 135	University Physics I Laboratory	1
		17
Semester 2		
GER 3	**Diversity Elective**	3
ENGS 102	Programming for Engineers	2
MATH 162	Calculus II	4
CHEM 155	College Chemistry II	4
PHYS 132	University Physics II	3
PHYS 136	University Physics II Laboratory	1
		17
Semester 3		
ENGS 201	Statics	3
ENGS 205	Nature & Properties of Materials	3
MATH 263	Calculus III	4
ECON 103	Principle of Microeconomics	3
	Program Elective *	3
		16
Semester 4		
ENGS 202	Dynamics	3
ENGS 263	Electric Circuits	3
ENGS 264	Electric Circuits Laboratory	1
MATH 364	Differential Equation	4
	Program Elective **	3
		14

Program Electives:			Engineering programs
BIOL 150	College Biology I *		Environmental
CHEM 301	Organic Chemistry I *		Chemical, Biomedical
MECH 342	Thermodynamics *		Mechanical, Chemical
MKTX 215/216	Digital Fund & Logic Design +Lab *		Computer, Elec, Mechatronics
MATH ***	All advanced mathematics courses		
CITA 180	Intro to Programming **		Computer, Mechatronics
ENGS 203	Strength of Materials **		Civil, Mech/Aero
CHEM 302	Organic Chemistry II **		Chemical, Biomedical

Graduation Requirements: Total Semester Credit Hours - 64 and Minimum G.P.A. 2.0