

2023-2024

AS ENGINEERING SCIENCE, CURRICULUM 0530/21**NEW**

4 Semester plan

Dr. Rashid Aidun

STUDENT: _____

ID: _____

Semester 1

Crs

Term

Grade

Comment

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		

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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		

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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		

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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		

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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

CLASS OF _____ G.P.A. 1 _____ 2 _____ 3 _____ 4 _____ TOTAL G.P.A. _____

Meets Graduation Requirements:

Advisor/Date