

FRESHMAN YEAR

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

18 hrs.

CHEM 101 4

Principles of Chemical Science I

ENGL 101 3

Intro. to Acad. Discourse

MATH 101 4

Calculus I

PHYS 101 4

General Physics I

IAS 121 2

Language Foundation

PE 101 1

Health & Physical Edu. I

16 hrs.

ENGL 102 3

Intro. to Argument Writing

ICS 104 3

Intro. to Prog. in Python & C

MATH 102 4

Calculus II

PHYS 102 4

General Physics II

IAS 111 2

Belief & its Consequences

ENGL 101

MATH 101

PHYS 101

19 hrs.

MATH 201 3

Calculus III

ENGL 214 3

Academic & Professional Comm.

CE 202 3

Statics & Strength of Materials

ME 203 3

Thermodynamics I

ME 210 3

ME Drawing and Graphics

MSE 201 3

Intro. to Materials

MSE 202 1

Materials Lab

MATH 102

ENGL 102

PHYS 101

MATH 102, PHYS 102

CHEM 101, MATH 101

18 hrs.

ISE 291 3

Intro. to Data Science

MATH 208 3

Differential Equations & Linear Algebra

ME 201 3

Dynamics

ME 204 3

Thermodynamics II

ME 218 2

Intro. ME Design

EE 236 3

Electronic Circuits (Non-EE)

EE 237 1

Electronic Circuits Lab (Non-EE)

ICS 104, MATH 102

MATH 102

CE 202

ME 203

ME 210, PHYS 102

MATH 102, PHYS 102

18 hrs.

COE 292 3

Intro. to Artificial Intelligence

IAS 212 2

Professional Ethics & Governance

STAT 201 3

Prob. & Stat. for Eng. & Scientists

ME 301 3

Machine Design I

ME 311 3

Fluid Mechanics

ME 322 3

Manufacturing Processes

ME 323 1

Manufacturing Lab

ISE 291

IAS 111

MATH 102

CE 202, ME 218

MATH 201, ME 201, ME 203

ME 210, MSE 201, MSE 202

17 hrs.

MATH 371 3

Numerical Computing

BUS 200 3

Business & Entrepreneurship

CGS 392 1

Career Essentials

IAS XXX 2

Islamic/Arabic Elective

ME 302 3

Machine Design II

ME 303 1

Mechanical System Design Lab

ME 315 3

Heat Transfer

ME 316 1

Thermo-Fluid Lab

MATH 201

ENGL 214

ME 301

ME 204, ME 311

ME 311

6 hrs.

ME 411 0

Senior Design Project I

ME 398 6

Internship

ME 301 or ME 307

BUS 200, ENGL 214, ME 301, ME 315

16 hrs.

ME 401 3

System Dynamics & Control

ME 402 1

Measurements & Control Lab

ME 412 3

Senior Design Project II

ME 4XX 3

ME Elective I

ME 4XX 3

ME Elective II

GS XXX 3

Global Studies Elective

EE 236, EE 237, MATH 208, ME 315

ME 411

KEY



Pre-Requisites



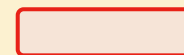
Co-Requisites:
course and its laboratory



Co-Requisites:
taken concurrently



Credit Hours



General Education
Requirements



Core Requirements



Elective Requirements



Technical Training

CREDIT DISTRIBUTION

	General Education	61
	Core Requirements	50
	Elective Requirements	11
	Internship	6

Total Credit Hours 128

Degree Plan Chart

Mechanical Engineering (New-ME)

Internship Option

NAME _____

ID No. _____