2016-18, 2018-20, 2020-22

Undergraduate Catalog General Curriculum



PRE-REQ CO-REQ

Pre-requisite – credit for Co-requisite – credit OR Course C registration for Course Name

CD*/GC*

E, Wr

- Core Curriculum S – Supporting CourseT – Technical Area

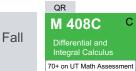
Course Flags
In the process of fulfilling the core curriculum and other degree requirements, undergrads complete courses with content in the following areas:

Wr – Writing (2 courses)
 QR – Quantitative Reasoning (1 course)
 GC – Global Cultures (1 course)

CD – Cultural Diversity in the US (1 course)

• E – Ethics (1 course)
• II – Independent Inquiry (1 course)

*not all courses will carry this flag; check the course schedule



CH 301 ALEKS 85+ M 408C/D

M E 302 Intro to Engr. Design & UGS 302/3 C

RHE 306

Suggested **Arrangement for Energy Systems Engineering**

1

Spring

M 408D Sequences, Serion Multivariable M 408C

PHY 303K M 408C/K M 408D/L PHY 103M

QR **PHY 105M** Lab for PHY 303K

PHY 303K

ES 333T Engineering Communication RHE 306

CD*/GC* Soc. Sci. Social & Behavioral Sci from Approved List CD*/GC* **VAPA** Visual & Performing Arts from Approved List

Fall

M 427J M 408D/L

M 427L

M 408D/L

QR

PHY 303L M 408C/L (M 408D/M) PHY 303K PHY 103N PHY 103M

PHY 105N Lab for PHY 303L [PHY 103M] (PHY 303L)

EM 306 M 408D/L PHY 303K

ME 316T Thermodynamics CH 301 M 408D/M

PHY 303K

GOV 310L

2

Spring

E M 319

E M 306 M 408D/M PHY 303K M E 318M

Intro to Comp & Engr. Comp. Methods M 427J

M E 314D Dynamics

PHY 103M

E M 306 M 408D/M M E 316T

M E 330 Fluid Mechanics E M 306 M E 130L **ME 130L** Expt. Fluid Mechanics M E 330

Fall

M E 334 Materials Engineering CH 301 PHY 303L PHY 103N E M 319

ME 134L Materials M E 334

M E 339 Heat Transfer M E 318M | M E 139L M E 330 M E 130L

M E 338

Wr

M E 130L

M E 335

Machine Elements

ME 139L Expt. Heat Transfer M E 339

QR M E 335 Engineering Statistics M 408D/M

US History C

Spring

3

M E 340 Mechatronics M E 140L M 427J M E 318M

PHY 303L

PHY 103N

M E 344

M E 134L

ME 140L Mechatronics

E M 319 M E 340 M F 334 M E 134L

Т CGE Career Gateway

Varies with each track

CD* **US History**

Fall

Dynamic Systems and Controls M E 144L M 427J M E 318M M E 314D M E 340

M E 144L

Dynamic Systems M E 344

ME 366J ME Design ALL ARE PRE-REQS: M E 302 M E 338 M E 333T M E 339 M E 139L M F 330

QR M E 353 Engineering

M E 335

CGE Career Gateway Varies with each track

Т

CD* GOV 312L/PC

4

Spring

M E 140L II, Wr **ME 266K**

Design Project M E 344 M E 266P M E 144L M E 353 M E 366J

ME 266P

Design Project Lab M E 344 M E 266K M E 144L M E 353 M E 366J

CGE

M E 340

M E 140L

Career Gateway Varies with each track CGE Career Gateway Elective Varies with each track Math or Natural Sci. Elective

Choose from the ABET approved list found in the advising office or online CD*/GC* E 316 *Must take E 316L, 316M, 316N, or 316P RHE 306