

Please note that major courses are not offered every semester

Year	Course	Prerequisites	Credits	Offering
FRESHMAN	_ CHM 1045/1045L General Chemistry I w/ Lab (3/1) *C- or better in MAC 1105		(3)	Fall, Spring, Summer
	_ MAC 2311 Calculus I (4) *C- or better in MAC 1140 and MAC 1114		(4)	Fall, Spring, Summer
	_ ENC 1101 English I (3)		(3)	Fall, Spring, Summer
	_ EGN 1004L First Year Engineering Lab (1)		(1)	Fall, Spring, Summer
FRESHMAN	_ CHM 1046/1046L General Chemistry II with Lab (3/1) *C- or better in CHM 1045		(3)	Fall, Spring, Summer
	_ MAC 2312 Calculus II (4) *C- or better in MAC 2311		(4)	Fall, Spring, Summer
	_ ENC 1102 English II (3)		(3)	Fall, Spring, Summer
	BSC 1010 Biological Science I (3)		(3)	Fall, Spring, Summer
SOPHOMORE	CHM 2210 Organic Chemistry I (3) *C- or better in CHM 1046		(3)	Fall, Spring, Summer
	MAC 2313 Calculus III (5) *C- or better in MAC 2312		(5)	Fall, Spring, Summer
	ECH 3023 Mass & Energy Balances I (3) *MAC 2312, CHM 1046 +CHM 2210, MAC 2313, PHY 2048C		(3)	Fall, Spring
	PHY 2048/2048L Gen. Physics I with Lab (5) *C- or better in MAC 2311		(5)	Fall, Spring, Summer
SOPHOMORE	CHM 2211 Organic Chemistry II (3) *C- or better in CHM 2210		(3)	Fall, Spring, Summer
	ECH 3301 Process Analysis & Design (4) *C- or better in MAC 2312 +ECH 3023, MAC 2313		(4)	Fall, Spring, Summer
	ECH 3024 MEB2 (4) *CHM 2210, MAC 2313, PHY 2048C, ECH 3023 +ECH 3301, PHY 2049C, BSC 2010		(4)	Spring, Summer
	PHY 2049/2049L Gen. Physics II with Lab (5) *PHY 2048C, MAC 2312		(5)	Fall, Spring, Summer
JUNIOR	ECH 3101 Thermodynamics (3) *ECH 3024, ECH 3301, PHY 2049C +ECH 3854, ECH 3266, ECH 3844		(3)	Fall
	ECH 3854 ChE Computations (4) *ECH 3024, ECH 3301, PHY 2049C +ECH 3101, ECH 3266, ECH 3844		(4)	Fall
	ECH 3266 Transport Phenomena I (3) *ECH 3024, ECH 3301, PHY 2049C +ECH 3101, ECH 3844, ECH 3854		(3)	Fall
	ECH 3844 ChE Statistics (3) *ECH 3024, ECH 3301, PHY 2049C +ECH 3101, ECH 3266, ECH 3854		(3)	Fall
JUNIOR	_ ECH 3274L Trans. Phenomena Lab (3) *ECH 3101, 3266, 3854, 3844 + ECH 3418, ECH 4267		(3)	Spring
	_ ECH 3418 Separations (3) *ECH 3101, ECH 3266, ECH 3854, ECH 3844 +ECH 3274L, ECH 4267		(3)	Spring
	_ ECH 4267 Transport II (3) *ECH 3101, ECH 3266, ECH 3854, ECH 3844 +ECH 3274L, ECH 3418		(3)	Spring
	_ EGM 3512 Eng. Mechanics (4) *PHY 2048C, MAC 2312 +MAC 2313		(4)	Fall, Spring, Summer
SENIOR	_ ECH 4404L Unit Operations Lab (3) *ECH 3274L, ECH 3418, ECH 4267 +ECH 4504, ECH 4604		(3)	Fall
	_ ECH 4504 Kinetics & Reactor Design (3) *ECH 3274L, ECH 3418, ECH 4267 +ECH 4404L, ECH 4604		(3)	Fall, Summer
	_ ECH 4604 ChE Process Design I (4) *ECH 3274L, ECH 3418, ECH 4267 +ECH 4404L, ECH 4504		(4)	Fall
	ECH XXXX ChE Elective (3) *ECH 3274L, ECH 3418, ECH 4267 +ECH 4504		(3)	Fall, Spring
SENIOR	_ ECH 4323 Process Control (3) *ECH 4504, ECH 4604, ECH 4404L +ECH 4615		(3)	Spring
	_ ECH 4323L Process Control Lab (1) *ECH 4504, ECH 4604, ECH 4404L +ECH 4615		(1)	Spring
	ECH 4615 ChE Process Design II (3) *ECH 4504, ECH 4604, ECH 4404L +ECH 4323, ECH 4323L		(3)	Spring
	ECH XXXX ChE Elective (3) *ECH 3274L, ECH 3418, ECH 4267 +ECH 4504		(3)	Fall, Spring
SENIOR	_ EEL 3003 Intro to Electrical Engineering (3) *MAC 2312, PHY 2049C		(3)	Fall, Spring, Summer

LIBERAL STUDIES
*Requirements in gray not required for students with AA

Statewide Social Science: ANT2000, ECO2013, POS2041, PSY2012, SYG 2000, _____ (3)

Statewide Humanities: ARH2000, HUM2020, LIT2010, MUL2010, THE2000, PHI2010 _____ (3)

2nd Humanities (from FAMU list): _____ (3)

2nd Social Science (from FAMU list): _____ (3)

AFA 2000, AFA 3104, or AMH 2091: _____ (3)

Civic Literacy Course (AMH2020 or POS1041) _____ (3)

Civic Literacy Exam

Name _____

Student ID _____

E-mail _____

Current GPA _____ Date _____

Major _____

- Graduation Requirements**
- _ C grade or above in all ECH major courses
 - _ 2.0 Major GPA
 - _ 2.0 Overall GPA
 - _ 128 total credit hours
 - _ AA or General Education Requirements
 - _ Summer Term Attendance (9 hours)
 - Final 30 degree hours at FAMU