

Chemical Engineering Department

List of Technical Electives

Students should take at least 6 credits of Engineering Electives

Revised 8/2019

Science Electives

CHEN 3090	Pulp and Paper Technology (Auburn University) – 3 credits
FOPR 4780	Wood Chemistry (Auburn University) – 3 credits
BIOL 230	Cell and Genetic Biology - 3 credits
BIOL 231	Cell and Genetic Biology Lab – 1 credit
BIOL 120	Organismic Biology – 3 credits
BIOL 121	Organismic Biology Lab – 1 credit
BIOL 301	General Microbiology – 3 credits
CHEM 321	Organic Chemistry II - 3 credits
CHEM 323	Organic Chemistry Lab II – 2 credits
CHEM 561	Biochemistry - 3 credits
CHEM 562	Biochemistry Lab – 1 credit
CHEM 524	Polymer chemistry - 4 credits
CHEM 541	Instrumental Analysis
EVSC 504	Environmental Science II

Engineering Electives

CENG 400	Introduction to Biochemical Engineering – 3 credits
CENG 410	Transport Phenomena – 3 credits
CENG 415	Bio separation processes – 3 credits
CENG 450	Environmental Engineering Fundamentals – 3 credits
CENG 460	Industrial Pollution Processes – 3 credits
CENG 495	Special topics
MENG 318	Material Science – 3 credits
MSEG 401	Materials and Society
MSEG 402	Introduction to biomaterials science and engineering
CENG 515	Fundamentals of food science engineering
CENG 525	Unit Operations in food science engineering