

BHCC Career Electives for A.S. Engineering Students

Mechanical Engineering

– Engineering Transfer Option

ENR-103	Computer-Aided Drawing & Design
ECO-202	Microeconomics
HON-200	Honors Seminar
CSC-125	Python Programming
SCI-221	Interpretation of Science Research
ENR-271	Circuit Design & Analysis I/Lab
SCI-299	Science Internship

Civil Engineering

– Engineering Transfer Option

ENR-103	Computer-Aided Drawing & Design
ECO-202	Microeconomics
HON-200	Honors Seminar
CSC-125	Python Programming
CHM-251	Organic Chemistry I/Lab
SCI-221	Interpretation of Science Research
SCI-299	Science Internship

Electrical Engineering

– Electrical Engineering Transfer Option

CHM-201	College Chemistry I/Lab
CHM-202	College Chemistry II/Lab
MAT-291	Linear Algebra
CSC-125	Python Programming
CSC-237	C++ Programming
ENR-260	Engineering Statics
SCI-299	Science Internship

Chemical Engineering

– Engineering Transfer Option

ECO-202	Microeconomics
HON-200	Honors Seminar
CSC-125	Python Programming
CHM-251	Organic Chemistry I/Lab
CHM-252	Organic Chemistry II/Lab
SCI-221	Interpretation of Science Research
SCI-299	Science Internship

Environmental Engineering

– Engineering Transfer Option

HON-200	Honors Seminar
CHM-251	Organic Chemistry I/Lab
CHM-252	Organic Chemistry II/Lab
SCI-221	Interpretation of Science Research
SCI-299	Science Internship

Industrial Engineering

– Engineering Transfer Option

ENR-103	Computer-Aided Drawing & Design
ECO-202	Microeconomics
HON-200	Honors Seminar
MAN-112	Organizational Behavior and Design
SCI-221	Interpretation of Science Research
SCI-299	Science Internship

Computer Engineering

– Electrical Engineering Transfer Option

CHM-201	College Chemistry I/Lab
CSC-125	Python Programming
CSC-237	C++ Programming
CSC-239	JAVA Programming
SCI-299	Science Internship

Bio-Medical Engineering**

– Bio-Medical Engineering Option

CHM-251	Organic Chemistry I/Lab
CHM-252	Organic Chemistry II/Lab
BIO-203	Anatomy/ Physiology I/Lab
BIO-204	Anatomy/ Physiology II/Lab
MAT-181	Statistics
ENR-260	Engineering Statics
ENR -271	Circuit Design/Analysis I/Lab
CSC-237	C++ Programming
SCI-299	Science Internship

* ENR-506 for Civil or Electrical Engineers should only be taken as a career elective for student transferring into a Heating Ventilation Air-conditioning (HVAC) related program.