

General Education Requirements per COES Major

Biomedical Engineering (BIEN)

course	course title	hours
BISC225	Human Anatomy & Physiology I	3
BISC227	Human Anatomy & Physiology II	3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	<i>see page 3</i>	3
Humanity	<i>see page 3</i>	3
Humanity	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3

Chemical Engineering (CMEN)

course	course title	hours
BISC130	Biological Principles	3
COMM101	Principles of Communication Studies	3
COMM378/ENGL363	Bus. & Prof. Comm./Sci. & Tech. Pres.	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	<i>see page 3</i>	3
History	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3

Chemistry (CHEM)

course	course title	hours
BISC130	Biological Principles	3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
ENGL363	Scientific & Technical Presentations	3
Fine Arts Appreciation	<i>see page 3</i>	3
History	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3

Civil Engineering (CVEN)

course	course title	hours
BISC101	Fundamentals of Biology I	3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	<i>see page 3</i>	3
Humanity	<i>see page 3</i>	3
Natural Science	BISC201/BISC211/ENSC211/FOR 230/PHYS202	3
Social Science	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3

Computer Science (CSC)

course	course title	hours
BISC130	Biological Principles	3
BISC131	Biological Principles Laboratory I	1
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL210/211/212	Literature	3
ENGL303	Technical Writing	3
ENGL363	Scientific & Technical Presentations	3
Fine Arts Appreciation	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3

Construction Engineering Technology (CETH)

course	course title	hours
COMM101	Principles of Communication Studies	3
ECON201/202	Principles of Macro./Microeconomics	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	<i>see page 3</i>	3
Humanity	<i>see page 3</i>	3
Life Science	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3

Cyber Engineering (CYEN)

course	course title	hours
BISC101	Fundamentals of Biology I	3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	<i>see page 3</i>	3
History	Information Warfare	3
Social Science	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3

Electrical Engineering (ELEN)

course	course title	hours
BISC101	Fundamentals of Biology I	3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	<i>see page 3</i>	3
Humanity	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3
Social Science	<i>see page 3</i>	3

General Education Requirements per COES Major

Instrumentation and Control Systems Engineering Technology (ICET)

course	course title	hours
BISC101	Fundamentals of Biology I	3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	see page 3	3
Humanity	see page 3	3
Social Science	see page 3	3
Social Science	see page 3	3

Mechanical Engineering (MEEN)

course	course title	hours
BISC101	Fundamentals of Biology I	3
COMM101	Principles of Communication Studies	3
ECON201/202/215	Principles of Macro/Microeconomics	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	see page 3	3
Humanity	see page 3	3
Social Science	see page 3	3

Industrial Engineering (INEN)

course	course title	hours
BISC101	Fundamentals of Biology I	3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
ENGL363	Scientific & Technical Presentations	3
History	see page 3	3
Fine Arts Appreciation	see page 3	3
Social Science	see page 3	3
Social Science	see page 3	3

Nanosystems Engineering (NSEN)

course	course title	hours
BISC130/225*	Biol. Prin./Human Anatomy & Phys.	3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	see page 3	3
History	see page 3	3
Social Science	see page 3	3
Social Science	see page 3	3

*only BIEN concentration

Mathematics & Statistics (MATH)

course	course title	hours
BISC101	Fundamentals of Biology I	3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
ENGL210/211/212	Literature	3
ENGL303	Technical Writing	3
Fine Arts Appreciation	see page 3	3
Foreign Language	see page 3	3
History	see page 3	3
Social Science	see page 3	3
Social Science	see page 3	3

Physics (PHYS)

course	course title	hours
Biological Science		3
COMM101	Principles of Communication Studies	3
ENGL101	Freshman Composition I	3
ENGL102	Freshman Composition II	3
Fine Arts Appreciation	see page 3	3
Humanity	see page 3	3
Humanity	see page 3	3
Social Science	see page 3	3
Social Science	see page 3	3

**Recommended General Education Requirements (GERs) for First-Year Students
Fall 2020**

HUMANITIES

Literature

- ENGL210: Introduction to British Literature, a Beginning to Roman Era (3 credit hours)
 - Prerequisite: ENGL102: English Composition II
- ENGL211: Introduction to British Literature, Roman Era to Present (3 credit hours)
 - Prerequisite: ENGL102: English Composition II
- ENGL212: Introduction to American Literature (3 credit hours)
 - Prerequisite: ENGL102: English Composition II

History

- HIST101: World History to 1500 (3 credit hours)
- HIST102: World History since 1500 (3 credit hours)
- HIST201: History of the United States, 1492-1877 (3 credit hours)
- HIST202: History of the United States, 1877 to the Present (3 credit hours)

LIFE SCIENCE

Biology

- BISC101: Fundamentals of Biology I (3 credit hours)
- BISC130: Biological Principles (3 credit hours)

FINE ARTS APPRECIATION

- ART 290: Art Appreciation (3 credit hours)
- MUGN290: Music Appreciation (3 credit hours)
- KINE280: Dance Appreciation (3 credit hours)
- THTR290: Theatre Appreciation (3 credit hours)

FOREIGN LANGUAGE

- FREN101: Elementary French (3 credit hours)
- SPAN101: Elementary Spanish (3 credit hours)

SOCIAL/BEHAVIORAL SCIENCES

Economics

- ECON201: Principles of Macroeconomics (3 credit hours)
- ECON202: Principles of Microeconomics (3 credit hours)
- ECON215: Fundamentals of Economics (3 credit hours)

Geography

- GEOG205: Cultural Geography (3 credit hours)

Political Science

- POLS201: National Government in the United States (3 credit hours)

Psychology

- PSYC102: General Psychology (3 credit hours)

Sociology

- SOC 201: Introduction to Sociology (3 credit hours)