

# Engineering - Biomedical – course sequence 2018 - 2019



## Prerequisites

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
MATH 2111	Precalculus		4
<b>Total Credits</b>			<b>4</b>

## Year I – Semester I

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
CHEM 1030	General Chemistry I		5
ENGL 1010	Composition I		3
ENGR 1020	Intro to Engineering and Technology		3
MATH 2141	Calculus I		4
ECON 2030	Principles of Microeconomics		3
<b>Total Credits</b>			<b>18</b>

## Year I – Semester 2

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
BIOL 1300	Orientation to Biotechnology		1
PHYS 1100	Engineering Physics		4
ENGR 2320	Digital Electronics		4
ENGR 2160	Intro to Engineering Analysis		2
MATH 2142	Calculus II		4
HUMANITIES or SOCIAL SCI	See approved list*		3
<b>Total Credits</b>			<b>18</b>

## Year 2 – Semester I

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
BIOL 1010	Human Anatomy		4
MATH 2243	Calculus III		4
ENGR 2150	Intro to Electrical Engineering		3
ENGR 2151	Intro to Electrical Engineering Lab		1
CHM 124 (URI)	Intro to Organic Chemistry		3
BME 281 (URI)	Biomedical Engineering Seminar II		1
<b>Total Credits</b>			<b>16</b>

## Year 2 – Semester 2

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
BIOL 1020	Human Physiology		4
ENGR 2620	Linear Electrical Systems and Circuit Theory		3
ENGR 2621	Linear Circuits Lab		2
MATH 2362	Advanced Engineering Mathematics		4
BME 207 (URI)	Intro to Biomedical Engineering		3
<b>Total Credits</b>			<b>16</b>
<b>Total Sequence Credits</b>			<b>72</b>

\*Approved General Education courses: <https://www.ccri.edu/pathways/paths/general-education>