

Electrical Engineering Technology - Biomedical Equipment Major

Center for Innovative Technologies Division

2018-2019 Curriculum

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
EET-131	Circuit Analysis 1	Appropriate MAT level	3	2	4
ENG-101	English Composition 1		3	0	3
FYE-1XX	First Year Experience Elective		1	0	1
MAT-XXX	Mathematics Elective 1		3	2	4
					12

Semester 2					
BMT-161	Biomedical Instrumentation 1	EET 131	3	3	4
CIT-190	Career Prep: Information & Engineering Tech		1	0	1
EET-121	Digital Systems 1	EET 131, MAT 121	2	3	3
EET-132	Circuit Analysis 2	EET 131, MAT 125	3	2	4
					12

Semester 3					
EET-291	Full-Time Cooperative Education 1: EET	MAT 120	1	40	2
NETC-121	Network Communications 1		2	2	3
MAT-XXX	Mathematics Elective 2		3	2	4
					9

Semester 4					
BIO-117	Human Body in Health and Disease	BMT 161	3	0	3
EET-122	Digital Systems 2	EET 121	2	3	3
ESET-251	Electronics	EET 132	3	2	4
PHY-XXX	Physics Elective	See Catalog	2	3	3
					13

Semester 5					
BMT-262	Biomedical Instrumentation 2	BMT 161, EET 122 & 132, ESET 251	3	3	4
EET-XXX	Electrical Engineering Technology Elective 1		2	3	3
EMET-XXX	Electro-Mechanical Engineering Tech Elective		2	3	3
ENG-10X	English Composition Elective	ENG 101	3	0	3
					13

Semester 6					
ECO-1XX	Economics Elective	ENG 101	3	0	3
EET-XXX	Electrical Engineering Technology Elective 2		2	3	3
					6
Total					65

EET Technology Elective: Any EET 2XX level, any ESET 2XX level, any PSET, or any EMET not used to fulfill the EMET Elective

EMET Technology Elective: EMET 240, EMET 245, EMET 270

Economics Elective: ECO 105, ECO 110

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

First Year Experience Elective: FYE 100, FYE 105, FYE 110

Mathematics Electives: Take one of the following series: MAT 125 and MAT 126; or MAT 251 and MAT 252

Physics Elective: PHY 151, PHY 201