BIOMEDICAL TECHNOLOGY SYSTEMS - AAS

Offered at: Madisonville Community College

Program Plan Number: 1504017029

Course	Title	Credits
General Education Courses		
ENG 101	Writing I	3
MAT 126	Technical Algebra and Trigonometry	3
or MAT 150	College Algebra	
PHY 171	Applied Physics	4
Social/Behavioral Sciences		3
Heritage/Humanities		3
Subtotal		16
Technical Support Courses		
AIT 1001	Basic Electrical Knowledge	2
AIT 1101	Electrical Power Distribution	1
BIO 135	Basic Anatomy and Physiology with Laboratory	4
CIT 105	Introduction to Computers (fulfills digital literacy requirement)	3
CIT 111	Computer Hardware and Software	4
CIT 160	Intro to Networking Concepts	4
CIT 180	Security Fundamentals	3
Subtotal		21
Technical Courses		
BTS 100	Biomedical Technology Systems: A Career Perspective	1
BTS 110	Environmental Risks and Precautionary Measures for the BTS Service Professional	1
BTS 120	Essentials of Biomedical Electronics I	2
BTS 125	Essentials of Biomedical Electronics II	2
BTS 130	Medical Equipment Management I	2
BTS 140	Science Principles Employed in Medical Technologies	1
BTS 200	Patient Care Support and Management Systems	2
BTS 210	Diagnostic Medical Equipment and Non-Radiographic Imaging Modalities	2
BTS 220	Laboratory Devices, Instruments, and Analyzers	2
BTS 230	Medical Equipment Management II	2
BTS 250	Introduction to Medical-Based IT Networks and Standards	2
BTS 260	Radiographic Imaging Modalities	2
BTS 270	Therapeutic Equipment Modalities I	2
BTS 275	Therapeutic Equipment Modalities II	2
BTS 280	General Care Monitoring and Instrumentation	2
BTS 285	Critical Care Monitoring and Instrumentation	2
BTS 290	Clinical Experience in Biomedical Technology Systems	2
Subtotal		31
Total Credits		**68**

Suggested Electives

Course	Title	Credits
BTS 299		
BTS 170	Service and Support Foundations in Hemodialysis Systems	2