

# Biomedical Instrumentation Technology AAS

Academic Year 2023-2024

Career & Technical Division

## Program Description:

The Biomedical Instrumentation Technology program provides the skills necessary to install, maintain, calibrate, and repair medical equipment in hospitals, doctors' offices, dental offices, and anywhere medical equipment is used. Graduates will be prepared for direct employment within a hospital, field service for a manufacturer, and third party field service technicians.

## Career Outlook:

For the most current information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at [www.bls.gov/ooh/](http://www.bls.gov/ooh/).

## Salary Forecast:

For the most current salary information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at [www.bls.gov/ooh/](http://www.bls.gov/ooh/).

## Employment Opportunities:

BMT I, II, III  
Maintenance Technician  
Equipment Specialist  
Process Control  
Technician  
Installation Technician  
BMT Supervisor

Earn A Degree Graduate Early (EDGE)

## Contact Information:

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*Our mission is to prepare students for careers, civic responsibility and life-long learning.*

**Biomedical Instrumentation Technology – Major Code CB30**

<b>Name:</b>					<b>ID Number 942-</b>		
<b>Educational Counselor:</b>							
<b>Faculty Advisor:</b>							
COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
AH 151	Medical Terminology (EDGE)		3				
ELT 111	Direct Current Circuit Analysis & Applications <sup>1</sup>		5				
ENL 131	Business and Technical Writing <sup>2</sup>		3				
MAT 120	Applied Professional Math <sup>3</sup>		3				
			14				
BMT 110	Safety in Healthcare		3				
COM 112 or COM 125	Oral Communication or Interpersonal Communication		3				
ELT 121	Alternating Current Circuit Analysis & Applications <sup>4</sup>		5				
IT 101	Fundamentals of Computers (EDGE)		3				
MAT 215	Applied Discrete Math <sup>5</sup>		3				
			17				
BMT 223	Biomedical Instrumentation		3				
ELT 131	Analog Circuits Analysis & Applications <sup>6</sup>		5				
ELT 211	Digital Circuits <sup>7</sup>		5				
IT 270	Computer Essentials and Applications <sup>8</sup>		4				
			17				
BMT 225	Biomedical Instrumentation II <sup>9</sup>		3				
BMT 299	Biomedical Internship <sup>10</sup>		3				
IT 225 or IT 230	Fundamental of Wireless LANs Network Communications		3				
SCI 110	Introductory Physics <sup>11</sup>		4				
			13				
<b>HOURS REQUIRED FOR GRADUATION: 61</b>							

<sup>1</sup>ELT 111 has a prerequisite/corequisite of MAT 144 or 145. MAT 144 has a corequisite of MAT 099.

<sup>2</sup>ENL 131 has a prerequisite of placement in 100-level English or a corequisite of ENL 095.

<sup>3</sup>MAT 120 has a prerequisite of placement in 100-level Math or a minimum ACT Math score of 19 or SAT Math score of 510.

<sup>4</sup>ELT 121 has a prerequisite of ELT 111.

<sup>5</sup>MAT 215 has a prerequisite of MAT 144 or MAT 120.

<sup>6</sup>ELT 131 has a prerequisite ELT 121.

<sup>7</sup>ELT 211 has a prerequisite of MAT 215.

<sup>8</sup>IT 270 has a prerequisite of IT 101 or IT 102.

<sup>9</sup>BMT 225 has a prerequisite of BMT 223.

<sup>10</sup>BMT 299 has a prerequisite of permission.

<sup>11</sup>SCI 110 has a prerequisite of MAT 144, MAT 120, or MAT 120E.

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