


# Electronics Technology

## Associate in Science

 MassBay courses are offered days, evenings, weekends, and online. View the complete list of online courses at [www.massbay.edu/uploadedFiles/online.pdf](http://www.massbay.edu/uploadedFiles/online.pdf). Check current course availability at [www.massbay.edu/courses](http://www.massbay.edu/courses)

### DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

This program offers students the foundation they will need to enter the exciting field of electronics technology. Students gain expertise in electronics, electrical and electronics design (CAD), computer science, digital electronics, digital computer systems, printed circuit design, and semiconductor devices. With a strong commitment to hands-on training, the program prepares students for entry-level positions in the high-tech industry.

Upon successful completion, the Associate in Science Degree in Electronics Technology is awarded.

#### PROGRAM FOOTNOTES

**Computer Science Electives:** CS 120 Programming I, CS 212 Systems Programming with "C", CS 116 Fundamentals of Cyber Security

**Math/Science Electives:** Biology, Chemistry, Environmental Science, Contemporary Nutrition (NS 101), Integrated Sciences, 100-Level Mathematics or Higher (not MAC), Physics

**Social Science Electives:** Anthropology, Economics, Geography, Government, History, Law and Society (LA 230), Psychology, Sociology

This program qualifies as an Alternative Transfer Agreement (MassTransfer) with select public institutions in Massachusetts. For more information, visit [www.mass.edu/masstransfer](http://www.mass.edu/masstransfer).

COURSE	COURSE TITLE	CREDITS
<i>First Year Semester 1</i>		
CS 110	Introduction to Computer Science	4
CT 100	Critical Thinking	3
EE 120	Digital Electronics	4
EL 101	Fundamentals of Electronics	4
EN 101	Freshman English I	3
		<b>credits:</b>
		<b>18</b>
<i>First Year Semester 2</i>		
EE 125	Digital Computer Systems	4
EL 102	Fundamentals of Electronics II	4
MN 101	Introduction to Computer Aided Design and Drafting	4
EN 102	Freshman English II	3
MA 104	Pre-Calculus Mathematics	4
		<b>credits:</b>
		<b>19</b>
<i>First Year Summer</i>		
EL 125	Internship	4
		<b>credits:</b>
		<b>4</b>
<i>Second Year Semester 1</i>		
EL 151	Electronics I	4
SF 131	Oral Communication	3
	Math/Science Elective	3/4
	Social Science Elective	3
		<b>credits:</b>
		<b>13/14</b>
<i>Second Year Semester 2</i>		
EL 220	Semiconductor Devices	4
EL 152	Electronics II	4
	Computer Science Elective	3/4
	Math/Science Elective	3/4
	Social Science Elective	3
		<b>credits:</b>
		<b>17/19</b>
		<b>Total Credits:</b>
		<b>71/74</b>