

## Biotechnology: Cell and Tissue Culture Option

Degree: **Associate in Applied Science**

College Code: **CTC.AAS**

### First Year/First Semester

ENG-101	English Composition I	3
BIO-111	Biology I: Science	4
MTH-125	College Algebra & Trigonometry	4
BIT-102	Introduction to Biotechnology	1
		<b>12</b>

### First Year/Second Semester

ENG-102	English Composition II	3
BIO-221	Microbiology I	4
BIO-235	Cell Biology	4
CHM-111	Chemistry I: Science	4
		<b>15</b>

### Summer Semester

CHM-112	Chemistry II: Science	4
		<b>4</b>

### Second Year/First Semester

BIO-222	Microbiology II	4
BIT-202	Instrumental Analysis	4
CHM-221	Organic Chemistry I	4
HIS-101	World Civilization I <b>or</b>	
	ENG-271 World Literature I	3
		<b>15</b>

### Second Year/Second Semester

BIT-201	Applications in Biotechnology	4
BIT-203	Cell & Tissue Culture for Biomanufacturing	4
CHM-210	Fundamentals of Biochemistry	4
PHL-232	Biomedical Ethics	3
		<b>15</b>

### Summer Semester

BIT-205	Biotechnology Internship	3
		<b>3</b>

**Total Minimum Credits 64**