



Career and Technical Education (CTE) Pathway  
**Biotechnology Diploma (D20100P1)**

**1) General Education Courses (6.00 SHC)**

> Take 6 credits from:

ENG-111	Writing and Inquiry	DRE-098	3.00 SHC
MAT-143	Quantitative Literacy	DRE-098, DMA 010-050	3.00 SHC

**Prerequisite**

**2) Technical Core (28.00 SHC)**

Required Core Courses

> Take 12 credits from:

BIO-111	General Biology I	DRE-098	4.00 SHC
BIO-112	General Biology II	BIO-111	4.00 SHC
CHM-132	Organic and Biochemistry	CHM-131,131A or CHM-115	4.00 SHC

Biotechnology Lab

> Take 4 credits from:

BTC-181	Basic Lab Techniques	None	4.00 SHC
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Microbiology

>Take 4 credits from:

BIO-275	Microbiology	BIO 110, BIO 111, BIO 165 or BIO 168	4.00 SHC
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Chemistry

>Take 4 credits from:

CHM-131	Introduction to Chemistry	DRE-098, co-req CHM-131A	4.00 SHC
CHM-131A	Into to Chemistry Lab	DRE-098, co-req CHM-131	1.00 SHC

Genetics

>Take 4 credits from:

BIO-250	Genetics	BIO-112	4.00 SHC
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**3) Other Major Requirements (10.00 SHC)**

Required Course

>Take 3 Credits From

BTC-150	Bio-Ethics	DRE-098	3.00 SHC
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Statistics

>Take 4 credits from:

MAT-152	Statistics	DRE-098, DMA-010-050	4.00 SHC
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Computer Skills:

>Take 3 Credits From

CIS-110	Introduction to Computer	DRE-098	3.00 SHC
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**TOTAL SEMESTER HOURS CREDIT (SHC)**

**(44.00 SHC)**

**Comments:** This CTE pathway leads to the Biotechnology Diploma