

# Biotechnology Certificate

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Greater Kansas City and specifically Johnson County have numerous biological-, pharmaceutical- and chemical-related formulating, manufacturing, research and testing companies. Many of these facilities employ scientific technicians to support the endeavors of their professional scientists and engineers.

JCCC's science technology program is designed to develop scientific support personnel for the metropolitan area.

This program offers specific knowledge and training designed to provide you with entry-level skills for employment as a technician. It also provides the breadth of background sufficient to encourage change and flexibility.

The biotechnology vocational certificate is for students seeking employment in the biotechnology industry either in private or academic research laboratories. This certificate will demonstrate to potential employers that the student has experience in performing a variety of techniques necessary for the day-to-day operation.

(Major Code 6150; State CIP Code 41.0101)

- Gainful Employment - Biotechnology (<http://www.jccc.edu/academics/health/biotechnology/gainful-employment-biotech/Gedt.html>) (link opens in a new window)
- Biotechnology (<http://www.jccc.edu/academics/health/biotechnology>)

## First Semester

CHEM 122	Principles of Chemistry*	5
<b>Total Hours</b>		<b>5</b>

## Second Semester

BIOL 135	Principles of Cell and Molecular Biology	4
BIOT 160	Introduction to Biotechnology*	2
MATH 130	Technical Mathematics I*	3
PHYS 133	Applied Physics*	5
<b>Total Hours</b>		<b>14</b>

## Third Semester

BIOT 165	Laboratory Safety*	1
BIOT 230	Microbiology for Biotechnology*	5
BIOT 260	Biotechnology Methods*	5
CHEM 140	Principles of Organic Biological Chemistry*	5
<b>Total Hours</b>		<b>16</b>

## Fourth Semester (optional)

BIOT 265	Biotechnology Internship*	4
<b>Total Hours</b>		<b>4</b>

**Total Program Hours: 35-39**