



## Personality + Career

*Biotechnology students are curious, detail oriented, and enjoy working with their hands. Strong interpersonal skills and the ability to work as a member of a team are also important skills.*

| Program       | Credential           | What do students learn in the program?                                                                                                                                                                                                                                                                                                                                                                          | Career Opportunities<br>*Similar jobs are available at each educational level. Additional education and practicum experiences may lead to increased pay and advancement opportunities more quickly. | Are graduates prepared for/ to complete exams for specific credentials | Required Tools, Supplies, and Uniforms |
|---------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------|
| Biotechnology | Certificate          | Students learn basic lab skills and concepts to work in a biotechnology lab. Students learn laboratory safety, documentation, solution preparation, how to use a pH meter, aseptic technique and bacteria cell culture, micropipetting, DNA manipulation and analysis, expression and purification of proteins, enzyme and antibody assays, critical thinking and problem solving, communication, and teamwork. | Cell Culture Technician<br>Laboratory Assistant<br>Research Assistant<br>Animal Laboratory Technologist<br>Quality Control Analyst<br>Marketing<br>Customer Service Representative                  | Biotechnician Assistant<br>Credential Exam (BACE)                      | Safety glasses and calculator          |
| Biotechnology | Diploma              | In addition to the lab skills noted above, students gain additional molecular biology lab skills to complete a semester-long research project to identify and sequence a novel gene from a plant. Students also enhance quantitative and lab documentation skills and biology and chemistry concepts. Students also complete a practicum.                                                                       | Cell Culture Technician<br>Laboratory Assistant<br>Research Assistant<br>Animal Laboratory Technologist<br>Quality Control Analyst<br>Marketing<br>Customer Service Representative                  | Biotechnician Assistant<br>Credential Exam (BACE)                      | Safety glasses and calculator          |
| Biotechnology | Associate of Science | In addition to the skills and knowledge noted above, students learn molecular biology techniques and take additional chemistry courses and general education requirements to prepare them to enter the workforce and/or transfer to a four-year college/university. Students will gain knowledge of advanced DNA techniques like cloning and DNA sequencing.                                                    | Cell Culture Technician<br>Laboratory Assistant<br>Research Assistant<br>Animal Laboratory Technologist<br>Quality Control Analyst<br>Marketing<br>Customer Service Representative                  | Biotechnician Assistant<br>Credential Exam (BACE)                      | Safety glasses and calculator          |

### » Your Next Steps to Choose SCC

- ▶ Schedule a Campus Visit - [southeast.edu/visit](https://southeast.edu/visit)
- ▶ Explore career options with an Admissions Counselor - [southeast.edu/admissionsadvising](https://southeast.edu/admissionsadvising)
- ▶ Apply - [southeast.edu/applynow](https://southeast.edu/applynow)

### » Paying for SCC

- ▶ Free Application for Federal Student Aid (FAFSA) - [studentaid.gov/h/apply-for-aid/fafsa](https://studentaid.gov/h/apply-for-aid/fafsa)
- ▶ Scholarships - [southeast.edu/scholarships](https://southeast.edu/scholarships)
- ▶ Payment Plan - [mycollegepaymentplan.com/southeast](https://mycollegepaymentplan.com/southeast)
- ▶ Veteran Education Benefits - [southeast.edu/veterans-services](https://southeast.edu/veterans-services)
- ▶ GAP Assistance Program - [southeast.edu/gap](https://southeast.edu/gap)
- ▶ Children of State Teammate Tuition Reimbursement Program - [southeast.edu/children-of-state-teammate-tuition-reimbursement-program](https://southeast.edu/children-of-state-teammate-tuition-reimbursement-program)



Scan this code to access the course listing

### Contact Admissions to get started!

402-437-2600, 800-642-4075 ext. 2600

✉ [admissions@southeast.edu](mailto:admissions@southeast.edu)



*Biotechnology uses cells, DNA, and/or proteins to solve problems and make life better. It develops medicines and vaccines, renewable biofuels, biodegradable plastics, and makes food more nutritious. Students complete credentials to prepare them for an advanced career in academic, government, and industry laboratories or an advanced degree at a four-year college in many STEM fields. If you love science, have an inquisitive mind and a desire to solve biological problems, SCC's Biotechnology program is perfect for you!*

### Program Contact Information

**Tracy Niday, Program Co-Chair, Lincoln**

402-228-2341

✉ [TNiday@southeast.edu](mailto:TNiday@southeast.edu)

**Misty Wehling, Program Co-Chair, Beatrice**

402-228-8240

✉ [MWehling@southeast.edu](mailto:MWehling@southeast.edu)

**Academic Transfer Division Office**

402-437-2445 or 402-437-2260

✉ [AcademicTransfer@southeast.edu](mailto:AcademicTransfer@southeast.edu)

# The SCC Experience

- » SCC has the only Biotechnology program in the state of Nebraska! The program equips students with strong lab skills and theoretical knowledge. Courses will transfer to most four-year colleges and universities to degrees such as biology, chemistry, biochemistry, and other STEM-related fields.
- » As approximately half of the required courses are lab-based, students get significant time to practice and develop their lab skills. The lab skills that students learn in the Biotechnology program are usually taught later in most similar four-year programs, meaning that our graduates are skilled and prepared!
- » Associate of Science and Diploma students complete a practicum giving them real-life experience and the opportunity to make valuable industry connections. Additionally, students work on real research projects in their lab courses so that they contribute actual research, studies, and experiments rather than simulated activities.
- » The Biotechnology program is flexible with classes offered in person, online, and hybrid. General education courses that support the program are offered on all of SCC's campuses.
- » The program maintains close relationships with industry partners, giving students access to field trips, guest speakers, quality practicum experiences, and strong employment connections.



| Program       | Credential           | Location                                                                                                            | Hours Required to Graduate | Resident cost* | Non-Resident cost* | Starting Term(s)         | Number of Semesters Required to Complete at Full Time Status? | Is a summer term required for FT students? | Is there an online option for students?                         | Can the program be completed entirely online? | Is there a Part Time Option?             | Number of Semesters Required to Complete at PT Time Status | Is a summer term required for PT students? | Typical Class Schedule                                                       |
|---------------|----------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------|----------------|--------------------|--------------------------|---------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------|------------------------------------------|------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------|
| Biotechnology | Certificate          | Beatrice (select courses)<br>Lincoln (all courses)                                                                  | 16                         | \$2,238        | \$2,548            | Fall, Spring, and Summer | 2                                                             | Optional                                   | Several classes are offered online, but all labs are in person. | No                                            | Students can complete at their own pace. | Dependent on student's pace.                               | No                                         | Varies with morning, afternoon evening, online and hybrid options available. |
| Biotechnology | Diploma              | Beatrice (select courses)<br>Lincoln (all courses)                                                                  | 33                         | \$4,554        | \$4,884            | Fall, Spring, and Summer | 3                                                             | Optional                                   | Several classes are offered online, but all labs are in person. | No                                            | Students can complete at their own pace. | Dependent on student's pace.                               | No                                         | Varies with morning, afternoon evening, online and hybrid options available. |
| Biotechnology | Associate of Science | Beatrice (select courses)<br>Lincoln (all courses)<br>Milford (select courses)<br>Learning Centers (select courses) | 61                         | \$10,048       | \$10,808           | Fall, Spring, and Summer | 4                                                             | Optional                                   | Several classes are offered online, but all labs are in person. | No                                            | Students can complete at their own pace. | Dependent on student's pace.                               | No                                         | Varies with morning, afternoon evening, online and hybrid options available. |

\*Listed program costs are approximate and subject to change based on market price of books, supplies, tools, uniforms, etc. Estimated costs include tuition, fees, books, supplies, tools, uniforms, etc.