

Biotechnology (AAS) to Biotechnology (BS)

Transfer Agreement

East Stroudsburg University and Northampton Community College

East Stroudsburg University (ESU) and Northampton Community College (NCC) have established the following Transfer Agreement to facilitate the transfer of students from the Associate in Applied Science Degree in Biotechnology at NCC to the Bachelor of Science in Biotechnology program at ESU.

Terms of Agreement: An NCC student who has earned the AAS Degree in Biotechnology shall be guaranteed admission to the BS Degree in Biotechnology at ESU provided the student meets the following terms of this agreement:

- **Cumulative GPA:** Graduate from NCC with a minimum grade point average (GPA) of 2.75.
- **Major GPA:** Graduate from NCC with a minimum Major GPA of 2.75.
- **Transfer Credit:** ESU will accept a total of 67 credits from NCC with an earned grade of 'C' or better as outlined in the Biotechnology Transfer Agreement Course Guide.
- **College Transcript:** Submit an official final NCC transcript, indicating receipt of the AAS Degree in Biotechnology directly to the ESU Office of Admission prior to matriculating to ESU.
- **Enrollment:** Enroll at ESU within one year of graduation from NCC. Not attend another institution of higher education between NCC graduation and enrollment at ESU.
- **Applying:** Submit an application, with application fee, for admission as a transfer student to ESU. Students are encouraged to apply well before the application deadline dates. (Please refer to the ESU Transfer Student website for the online application link, application deadline dates, additional resources, and ESU transfer counselor contacts: www.esu.edu/transfer.)

NCC Biotechnology (AAS) to ESU Biotechnology (BS) Transfer Agreement Course Guide

Transfer Credits: Upon receiving a conferred AAS degree in Biotechnology with a 2.75 cumulative GPA and a 2.75 major GPA, NCC students will be transferring a minimum of 67 credit hours into ESU. The following courses will transfer to ESU with a grade of "C" or better. At this point, the student will be able to major in Biotechnology and receive credit for the following courses:

| General Education, Pre-Requisite, Co-Requisite, and Major Equivalencies | | | |
|---|--------|---|--------|
| Northampton Community College | | East Stroudsburg University | |
| Course Number | Credit | Course Number | Credit |
| BIOS 107-Biology I | 4 | BIOL 114-GE:Introductory Biology I | 4 |
| BIOS 150-Biology II | 4 | BIOL 115-GE:Introductory Biology II | 4 |
| BIOT 200-Aseptic Processing | 3 | BIOL 299-Departmental Elective | 3 |
| BIOT 202-Biotechnology Seminar | 1 | BIOL 299-Departmental Elective | 1 |
| BIOS 240-Microbiology | 4 | BIOL 299-fulfills requirement of BIOL 330 | 4 |
| BIOT 184-Introduction to Biotechnology | 3 | BIOL 199 – fulfills requirement | 3 |
| BIOT 185- Biotechnology Techniques | 4 | BIOL 199 | 4 |
| BIOT 190-Industrial Biotechnology | 3 | BIOL 199 | 3 |
| CHEM 120-General Chemistry | 4 | CHEM 121-General Chemistry I, CHEM 123-General Chemistry Lab I | 4 |
| CHEM 220-General Chemistry II | 4 | CHEM 124-GE:General Chemistry II, CHEM 126-General Chemistry II Lab | 4 |
| CHEM 201-Organic Chemistry | 4 | CHEM 233-Organic Chemistry I, CHEM 235-Organic Chemistry I Lab | 4 |
| CHEM 251 [Free Elective] | 4 | CHEM 234-Organic Chemistry II, CHEM 236-Organic Chemistry II Lab | 4 |
| CMTH 102-Speech Communication | 3 | CMST 111-GE: Speech Communication | 3 |
| ENG 101-English I | 3 | ENGL 103-English Composition | 3 |

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|----------------------------------|----|--|----|
| ENG 151-English II | 3 | ENGL 203-GE: Advanced Composition | 3 |
| MATH 140-College Algebra | 3 | MATH 199-GE | 3 |
| MATH 150-Introductory Statistics | 3 | MATH 110-GE: General Statistics | 3 |
| Arts & Humanities Elective | 3 | General Education Elective – (Group A) | 3 |
| Social Science B Elective | 3 | General Education Elective – (Group C) | 3 |
| Total | 67 | Total | 67 |

| Junior Year at ESU | | | |
|--|--------|---|--------|
| Fall | | Spring | |
| Course Number | Credit | Course Number | Credit |
| PHYS 131-Fundamental Physics I | 4 | PHYS 132:Fundamentals Physics II | 4 |
| BIOL 330-Microbiology | 4 | BIOL 430-Applied Microbiology | 4 |
| BIOL 340-Animal Physiology OR BIOL 422-Plant Physiology | 4 | BIOL Biology Elective | 3-4 |
| General Education – choose from the following in Social Science Group: Economics-ECON 111, or 112, OR 121, or 122, or 221 or 311; Geography-GEOG 110, or 120, or 121, or 130, or 210, or 212, or 220 Political Science-POLS 101, or 111, or 117, or 201, or 211, 222 or 223 | 3 | BIOL 380-Cell Culture | 2 |
| | | General Education- can choose from the following in Social Science Group: Economics-ECON 111, or 112, OR 121, or 122, or 221 or 311; Geography-GEOG 110, or 120, or 121, or 130, or 210, or 212, or 220 Political Science-POLS 101, or 111, or 117, or 201, or 211, 222 or 223 | 3 |
| Total | 15 | Total | 15 |

| Senior Year at ESU | | | |
|---|--------|---|--------|
| Fall | | Spring | |
| Course Number | Credit | Course Number | Credit |
| BIOL 495-Seminar I | 1 | CPSC 101-PC's and Their Uses in Science | 3 |
| BIOL Biology Elective | 3-4 | BIOL 437-Immunology | 3 |
| CHEM 315-Biochemistry | 3 | BIOL 465-Immunology Lab | 1 |
| CHEM 317-Biochemistry I Lab | 1 | BIOL 439-Molecular Biology | 3 |
| General Education- can choose from the following in Social Science Group: Economics-ECON 111, or 112, OR 121, or 122, or 221 or 311; Geography-GEOG 110, or 120, or 121, or 130, or 210, or 212, or 220; Political Science-POLS 101, or 111, or 117, or 201, or 211, 222 or 223 | 6 | BIOL 477-Molecular Biology Lab | 1 |
| | | BIOL 496-Seminar II | 1 |
| | | General Education- can choose from the following in Social Science Group: Economics-ECON 111, or 112, OR 121, or 122, or 221 or 311; Geography-GEOG 110, or 120, or 121, or 130, or 210, or 212, or 220 Political Science-POLS 101, or 111, or 117, or 201, or 211, 222 or 223 | 3 |
| | | Elective credit | 1 |
| Total | 14-15 | Total | 16 |