Biology B.S. 75-77 40-42 credits

A. Core Requirements 35-37 credits
- BIO 110-Biology Seminar
- BIO 120-Molecular & Cell Foundations
- BIO 316-Lab in Genetic
- BIO 315-Genetics
- BIO 425-Evolution
- BIO 492-Research
- CHE 111-General Chemistry
- CHE 212-General Chemistry
- MAT 179-Measuring Life

Select one sequence from the following:
- Sequence 1:
  - CHE 331-Organic Chemistry
  - CHE 332- Organic Chemistry
- Sequence 2:
  - CHE 230-Intro Organic Chem
  - CHE 360-Intro BioChemistry

B. Elective Requirements 27-29 credits
- Area Electives—a minimum of 12 credits
- Free Electives in department

C. Cognate Requirements 33-35 14-16 credits
- CHE 111-General Chemistry
- CHE 212-General Chemistry
- MAT 179-Measuring Life

Select one sequence from the following:
- Sequence 1:
  - CHE 331-Organic Chemistry
  - CHE 332- Organic Chemistry
- Sequence 2:
  - CHE 230-Intro Organic Chem
  - CHE 360-Intro BioChemistry

Biological Sciences Area Electives

AREA 1—ORGANISMAL BIOLOGY
- BIO 340-Plant Kingdom
- BIO 370-Animal Kingdom
- BIO 356-Flora of Oswego Region

AREA 2—ECOLOGY (WITH FIELD COMPONENT)
- BIO 220-Intro Ecology
- BIO 420-Wetland Ecology
- BIO 492-Research

AREA 3—MOLECULAR/CELLULAR/BIOCHEMISTRY
- BIO 309-Cellular Physiology
- BIO 439- Molecular Bio
- BIO 492- Research

GRADUATION REQUIREMENTS
All students graduating from SUNY Oswego must have:
- A minimum GPA of 2.0 for graduation (in major & cumulative)
- A minimum of 120 hours for degree purposes
- 42 credits of upper division work (300-400 level) from Oswego
- Maximum transfer credits of 60 from community college
- At least ⅔ of major credits taken at Oswego

Contact the following offices at SUNY Oswego for specific transfer information:
- Transfer Services Coordinator
  - Corie Kohlbach
  - 183 Marano Campus Center
  - 315-312-3638
  - corie.kohlbach@oswego.edu
- Transfer Success Advisors
  - Rosemarie Pupparo
  - 315-312-4951
  - rupparo@oswego.edu
  - Scott Cunningham
  - 315-312-2058
  - scott.cunningham@oswego.edu
- Biological Sciences Advisement Coordinator
  - Lisa Brancato
  - 397 Shineman Science Center
  - 315-312-2023
  - lisa.brancato@oswego.edu
- Transfer Center
  - 170 Marano Campus Center
  - https://www.oswego.edu/transfer-services/

Pre-Health Advising
While SUNY Oswego does not offer a formal pre-health degree, we offer a range of undergraduate majors in order to obtain the prerequisites for admission into health science programs including medicine (MD/DO), physician assistant, nursing, dentistry, physical therapy, veterinary medicine and many more.

To learn more about pre-health studies at SUNY Oswego, please visit the Pre-Health Studies website: https://www.oswego.edu/biological-sciences/content/pre-health-advising

Dutchess Community College: Liberal Arts & Sciences
◊Science A.S. - Biology

PASSPORT TO OSWEGO

Information in this passport may change without notice. Students must complete all current SUNY Oswego program requirements in order to graduate. If the contents of this passport were developed under grant P116F140327 from the U.S. Department of Education. However, those contents do not necessarily represent the policy of the U.S. Department of Education, and you should not assume endorsement by the Federal Government.

FALL 2017
Biology B.A. 61-67 23-29 credits

A. Core Requirements 32 1 credits
- BIO 110-Biology Seminar   
- BIO 120-Molecular & Cell Foundations
- BIO 220-Diversity of Life
- BIO 315-Genetic
- BIO 316 Lab in Genetics

B. Capstone Requirement 3 credits
- BIO 425 - Evolution

C. Elective Requirements 21-27 credits
Area Electives: At least one course from each Area 1 to 3 (9-12 cr).
Free Electives in department (9-12 cr). Check with your advisor which electives to take.

D. Cognate Requirements 25-31 2-8 cr
- CHE 111-General Chemistry   
- CHE 212-General Chemistry
- CHE 230 Intro Organic Chem   
- CHE 360 Intro BioChemistry

Selective sequence from the following:
Sequence 1:
- CHE 331-Organic Chemistry   
- CHE 332-Organic Chemistry*
- CHE 230 Intro Organic Chem   
- CHE 360 Intro BioChemistry

Selective sequence from the following:
- Option 1- PHY 101-Introductory Physics 
- Option 2- PHY 111-College Physics & PHY 212-College Physics II  

Selective sequence from the following:
- Option 1-MAT 120-Precalc and MAT 179-Measuring Life
- Option 2-MAT 210-Calculus and MAT 179-Measuring Life

A. Core Requirements 12 1 credits

B. Capstone Requirement 3 credits
- BIO 439-Molecular Bio   
- BIO 440-Develop. Plant Bio

C. Elective Requirements 21-27 credits
Area Electives: At least one course from each Area 1 to 3 (9-12 cr). Check with your advisor which electives to take.

D. Cognate Requirements 25-31 2-8 cr
- Area Electives-At least one course from each Area 1 to 3 (9-12 cr).

Selective sequence from the following:
- Option 1- PHY 101-Introductory Physics 
- Option 2- PHY 111-College Physics & PHY 212-College Physics II  

Selective sequence from the following:
- Option 1-MAT 120-Precalc and MAT 179-Measuring Life
- Option 2-MAT 210-Calculus and MAT 179-Measuring Life

A. Core Requirements 12 1 credits

B. Capstone Requirement 3 credits
- BIO 439-Molecular Bio   
- BIO 440-Develop. Plant Bio

C. Elective Requirements 21-27 credits
Area Electives: At least one course from each Area 1 to 3 (9-12 cr). Check with your advisor which electives to take.

D. Cognate Requirements 25-31 2-8 cr
- Area Electives-At least one course from each Area 1 to 3 (9-12 cr).

Selective sequence from the following:
- Option 1- PHY 101-Introductory Physics 
- Option 2- PHY 111-College Physics & PHY 212-College Physics II  

Selective sequence from the following:
- Option 1-MAT 120-Precalc and MAT 179-Measuring Life
- Option 2-MAT 210-Calculus and MAT 179-Measuring Life

Students who have completed the SUNY Gen Ed Requirements must complete Oswego’s Gen Ed program.

Some courses taken at 2-year school will not transfer as upper division credit at Oswego.

Several courses may be given equivalencies only as lower division credit.

Below are the recommended courses students should take at DCC with their SUNY Oswego equivalents.

<table>
<thead>
<tr>
<th>Dutchess CC Courses</th>
<th>Oswego Course Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year 32 cr.</td>
<td></td>
</tr>
<tr>
<td>ENG 101-Composition I (3 cr.)</td>
<td>ENG 102</td>
</tr>
<tr>
<td>ENG 102-Composition II (3 cr.)</td>
<td>ENG 204</td>
</tr>
<tr>
<td>SCI 100-Sci. Intro Seminar (1 cr.)</td>
<td>Transfer Credit</td>
</tr>
<tr>
<td>American History* (3 cr.)</td>
<td>Check note</td>
</tr>
<tr>
<td>BHS 103-Social Problems (3 cr.)</td>
<td>Transfer Credit</td>
</tr>
<tr>
<td>Science (BIO 105) (4 cr.)</td>
<td>(BIO 120)</td>
</tr>
<tr>
<td>Science (BIO 106) (4 cr.)</td>
<td>(BIO 220)</td>
</tr>
<tr>
<td>Math (MAT 221) (4 cr.)</td>
<td>(MAT 210)</td>
</tr>
<tr>
<td>Elective (CHE 121) (4 cr.)</td>
<td>(CHE 111)</td>
</tr>
<tr>
<td>Elective (MAT 118) (3 cr.)</td>
<td>(MAT 158E)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year 31-33 cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science Elective (CHE 122) (4 cr.)</td>
</tr>
<tr>
<td>Science Elective (CHE 231) (4 cr.)</td>
</tr>
<tr>
<td>Free Elective (CHE 232) (4 cr.)</td>
</tr>
<tr>
<td>Elective (BIO 205 &amp; BIO 207) (8 cr.)</td>
</tr>
<tr>
<td>Humanities Elective◊ (3 cr.)</td>
</tr>
<tr>
<td>Social Science Elective (PSY 111) (3 cr.)</td>
</tr>
<tr>
<td>WFE 101-Wellness &amp; Fitness (3 cr.)</td>
</tr>
<tr>
<td>Gen Ed Elective◊ (3-4 cr.)</td>
</tr>
</tbody>
</table>

Courses filled at DCC

- BIO 110-Biology Seminar   
- BIO 120-Molecular & Cell Foundations
- BIO 220-Diversity of Life
- BIO 315-Genetic
- BIO 316 Lab in Genetics

Contact the following offices at DCC for specific transfer information:

Academic Coaching & Transfer Center
301 Orcutt Student Services Center
845-431-8600
Fax: 845-431-8046

Coordinator of Transfer Services
Roza Makhmudova
Academic Coaching & Transfer Center
301 Orcutt Student Services Center
845 431-8695
roza.makhmudova@sunydutchess.edu

GENERAL EDUCATION INFORMATION

Students who have completed the SUNY Gen Ed Requirements must complete Oswego’s Gen Ed program.

Some courses taken at 2-year school will not transfer as upper division credit at Oswego.

Several courses may be given equivalencies only as lower division credit.

*American History Electives are HIS 103, HIS 104 and GOV 121. All have Oswego equivalents. Check with your advisor on which courses to take.

€ MAT 158 may count as MAT 179. This course may be accepted with a waiver form signed off by an Oswego advisor.

◊Check with your advisor on which courses to take for the humanities elective and general education elective.

If Zoology interests you, please refer to the Dutchess Biology A.S. - SUNY Oswego Zoology B.S. Passport.