

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

A. Core Requirements ~~45~~ 7 credits

BIO 110-Biology Seminar BIO 120-Molecular & Cell Foundations✓
BIO 315-Genetics✓ BIO 316-Lab in Genetic✓
BIO 425-Evolution BIO 492-Reserach

B. Elective Requirements ~~27~~ 23 credits

- Area Electives-at least one course form area 1 to 3 (9-11 cr)
- Free Electives in department (16-18 cr)

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 230L- Intro Organic Chem Lab
CHE 360-Intro BioChemistry CHE 360L-Intro BioChemistry Lab

Select **one** sequence from the following:

Sequence 1.

PHY 111-College Physics I PHY 112-Gen. Univ. Physics I
PHY 212-College Physics II PHY 213-Gen. Univ. Physics II

Take **three** Math courses:

- A. MAT 179- Measuring Life✓
- B. MAT 210- Calculus I ✓
and
- C. MAT 220- Calculus II **or** MAT 258- Intro to Statistics

Biological Sciences Area Electives

AREA 1—ORGANISMAL BIOLOGY

BIO 340-Plant Kingdom BIO 357-Plant Systematics
BIO 370-Animal Kingdom BIO 492-Research
ZOO 330- Invertebrate Zoo ZOO 340-Vertebrate Zoo
BIO 356-Flora of Oswego Region

AREA 2—ECOLOGY (WITH FIELD COMPONENT)

BIO 320-Intro Ecology BIO 358-Plant Ecology
BIO 420-Wetland Ecology BIO 492-Research
ZOO 405-Limnology

AREA 3—MOLECULAR/CELLULAR/PHYSIOLOGY

BIO 309- Cellular Physiology BIO 310-Microbio✓
BIO 439- Molecular Bio BIO 440- Develop. Plant Bio
BIO 492- Research CHE 461-BioChem
ZOO 360-Animal Physiology ZOO 373-Embryology

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's 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>

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 ½ 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 Puppato
315-312-4951
rpuppato@oswego.edu

Scott Cunningham

315-312-2058
scott.cunningham@oswego.edu

Biological Sciences

Advisement Coordinator

Lisa Brancato
397 Shineman Science Center
315-312-2021
lisa.brancato@oswego.edu

Transfer Center

170 Marano Campus Center
<https://www.oswego.edu/transfer-services/>

Information in this passport may change without notice. Students must complete all current SUNY Oswego program requirements in order to graduate.

"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

DUTCHESS

COMMUNITY COLLEGE

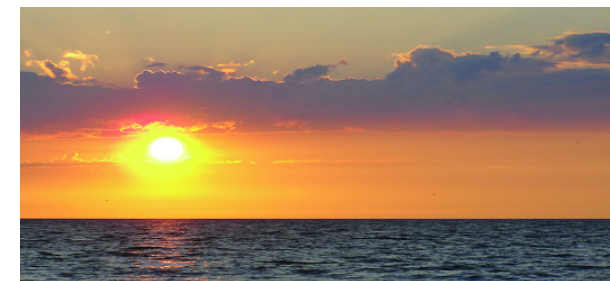
Dutchess Community College:
Liberal Arts & Sciences
◇Science A.S. - Biology

Passport to Oswego



SUNY Oswego:

◇Biology B.A.
◇Biology B.S.



STEPS FOR EFFICIENT TRANSFER

1. Print out current degree plan.
2. Check off the courses you have completed.
3. Schedule a meeting with a Transfer Success Advisor at DCC.
4. Make sure your remaining DCC courses meet Oswego Course Equivalents. (Consult the course equivalency table in this passport)
5. **Complete SUNY Gen Ed Requirements at DCC to be exempt from Gen Ed at Oswego! (See below for more information, or speak with an advisor)**
6. Apply to SUNY Oswego as you near the completion of your CC degree, and speak with a Transfer Success Advisor.
7. **Complete your DCC degree.**

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

Department Head of Allied Health and Biological Sciences

Karen Ingham
310 Washington Hall
845-431-8321
ingham@sunydutchess.edu

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 **not** 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 equivalencies.

Dutchess CC Courses		Oswego Course Equivalents
First Year: 32 cr.		
ENG 101-Composition I	(3 cr.)	ENG 102
ENG 102- Composition II	(3 cr.)	ENG 204
SCI 100- Sci. Intro Seminar	(1 cr.)	Transfer Credit
American History*	(3 cr.)	Check note
BHS 103-Social Problems	(3 cr.)	Transfer Credit
Science (BIO 105)	(4 cr.)	(BIO 120)
Science (BIO 106)	(4 cr.)	(BIO 220)
Math (MAT 221)	(4 cr.)	(MAT 210)
Elective (CHE 121)	(4 cr.)	(CHE 111)
Elective (MAT 118)	(3 cr.)	(MAT 158€)
Second Year: 31-33 cr.		
Science Elective (CHE 122)	(4 cr.)	(CHE 212)
Science Elective (CHE 231)	(4 cr.)	(CHE 331)
Free Elective (CHE 232)	(4 cr.)	(CHE 332)
Elective (BIO 205 & BIO 207)	(8 cr.)	(BIO 315 & BIO 310)
Humanities Elective◊	(3 cr.)	Transfer Credit
Social Science Elective (PSY 111)	(3 cr.)	(PSY 100)
WFE 101- Wellness & Fitness	(3 cr.)	Transfer Credit
Gen Ed. Elective◊	(3-4 cr.)	Transfer Credit

Courses in () are recommended electives.

*American History Electives are HIS 103, HIS 104 and GOV 121. All have Course equivalents. Check with your advisor on which course 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.

Courses filled at DCC ✓

Biology B.A. 64-67 23-29 credits

A. Core Requirements 12 1 credits

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

B. Capstone Requirement 3 credits

BIO 425 - Evolution

C. Elective Requirements 21 17 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 25-34 2-8 cr

CHE 111-General Chemistry ✓ CHE 212-General Chemistry ✓

Select **one** sequence from the following:

Sequence 1.

CHE 331-Organic Chemistry ✓ CHE 332- Organic Chemistry ✓

Sequence 2.

CHE 230-Intro Organic Chem CHE 230L- Intro Organic Chem Lab
CHE 360-Intro BioChemistry CHE 360L-Intro BioChemistry Lab

Select **one** of the following Physics options:

Option 1-PHY 101-Introductory Physics

Option 2- PHY 111-College Physics & PHY 212-College Physics II

Option 3- PHY 112-Gen. Univ. Physics I & PHY 213-Gen. Univ. Physics II

Select **one** of the following Math options:

Option 1-MAT 120-Precalc **and** MAT 179-Measuring Life ✓

Option 2- MAT 210-Calc I ✓ **and** MAT 179-Measuring Life ✓

Biological Sciences Area Electives

AREA 1—ORGANISMAL BIOLOGY

BIO 340- Plant Kingdom BIO 342-Fungal Bio
BIO 357-Plant Systematics BIO 370-Animal Kingdom
BIO 474-Parasitology ZOO 330-Invertebrate Zoo
ZOO 340-Vertebrate Zoo

AREA 2—ECOLOGY (WITH FIELD COMPONENT)

BIO 320-Intro Ecology BIO 358-Plant Ecology
BIO 420-Wetland Ecology BIO 421-Winter Ecology
ZOO 389-Animal Ecology ZOO 405-Limnology

AREA 3—MOLECULAR/CELLULAR/PHYSIOLOGY

BIO 309- Cellular Physiology BIO 310-Microbio ✓
BIO 439- Molecular Bio BIO 440- Develop. Plant Bio
CHE 461-BioChem ZOO 360-Animal Physiology
ZOO 373-Embryology

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