DEGREE CODE:
AS 0211

PATHWAY: Biology

Visit your College Advisor, ccc.edu, or your college's Transfer Center for more information.

When you think of life on earth, your first thoughts are probably about familiar animals. That is only a small sample of the types of life on our planet, which include plants, bacteria, fungi, and animals in a vast array of body forms and types. Biology is the study of life, individual organisms, their communities, and the systems, cells, and processes that make up living matter. With an AS degree you can transfer to a four-year college as a junior, obtain your bachelor's degree and work in fields like biochemistry, genetics, marine biology, zoology, ecology and much more.

This is an **example course sequence** for students interested in pursuing Biology. This pathway does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn an Associate in Science (AS) degree. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below. Following this pathway will help you get your associate degree, which will increase your chances of transfer to Bachelor's-level programs of study. Choose Illinois Articulation Initiative (IAI) courses to fulfill general education requirements whenever possible. Visit www.itransfer.org and speak with your college advisor to learn more about IAI.

Choose your courses with your College Advisor.

Communications and mathematics pre-credit requirements. Placements based on current placement instrument, ACT or department chair recommendation.			College-level courses that can be taken while in pre-credit courses.	
ENGLISH PLACEMENT	READING PLACEMENT	MATHEMATICS PLACEMENT	GENERAL EDUCATION COURSES	ELECTIVE COURSES
☐ ESL/FS Writing	☐ ESL/FS Reading	☐ FS Mathematics I	☐ Humanities: Africana Studies 101	☐ College Success
☐ ESL/English 98	☐ ESL/Reading 99	☐ FS Mathematics II		
☐ ESL 99	☐ ESL Reading 100	☐ Mathematics 98		
☐ ESL/English 100	☐ Reading 125	☐ Mathematics 99		

SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students by adding more semesters.

D	SEMESTER 1	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
●	English 101–Composition I (3)	*Communications*	DO THIS–Meet with advisor to discuss academic goals and plan coursework DO THIS–Begin research on four-year schools
●	Psychology 201–General Psychology (3)	*Social & Behavioral Sciences*	
●	Mathematics 140–College Algebra (4)	*Mathematics*	
●	Biology 121–Biology 1 (5)	*Life Sciences*	
		15 CREDIT HOURS	

D	SEMESTER 2	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
●	English 102–Composition II (3)	*Communications*	DO THIS–Mid-term check-in with advisor DO THIS–Visit your campus Transfer Center to discuss options and create a short list of four-year schools for potential transfer
●	Biology 122–Biology II (5)	*Life Sciences*	
●	Speech 101–Fundamentals of Speech Communication (3)	*Communications*	
●	Social & Behavioral Sciences course (3)	*Social & Behavioral Sciences (HD)*	
		14 CREDIT HOURS	

D	SEMESTER 3	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
●	Program Elective (4)	*Elective*	DO THIS–Mid-term check-in with advisor DO THIS–Begin seeking additional four-year funding outlets such as scholarships and aid
●	Mathematics 125–Introductory Statistics (4)	*Mathematics*	
●	Humanities course (3)	*Humanities*	
●	Chemistry 201–General Chemistry I (5)	*Physical Sciences*	
		16 CREDIT HOURS	

D	SEMESTER 4	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
●	Fine Arts course (3)	*Fine Arts*	COMPLETION of Associate in Science degree in Biology
●	Program Elective (4)	*Elective*	
●	Program Elective (4)	*Elective*	
●	Chemistry 203–General Chemistry II (5)	*Elective*	
		16 CREDIT HOURS	

DEGREE MINIMUM: 60 CREDIT HOURS // PATHWAY TOTAL: 61 CREDIT HOURS

THIS SEMESTER MAP WAS LAST UPDATED ON JULY 15, 2019.

NATURAL SCIENCES

PROGRAM ELECTIVES

- ☐ Biology 122–Biology II (5)
- ☐ Biology 226–Human Structure and Function I (4)
- ☐ Biology 227–Human Structure and Function II (4)
- ☐ Biology 241–Genetics (3–4)
- ☐ Biology 242–Evolution (2–3)
- ☐ Biology 251–Molecular Biology I (4)
- ☐ Botany 201–General Botany I (4)
- ☐ Chemistry 121–Basic Chemistry I (4)
- ☐ Chemistry 203–General Chemistry II (5)
- ☐ Chemistry 205–Organic Chemistry I (6)
- ☐ Chemistry 207–Organic Chemistry II (6)
- ☐ Chemistry 212–Survey of Organic and Biochemistry (4)
- ☐ Mathematics 140–College Algebra (4) and Mathematics 141–Plane Trigonometry (3) OR Mathematics 143–Precalculus (6)
- ☐ Mathematics 207–Calculus and Analytic Geometry I (5)
- ☐ Mathematics 208–Calculus and Analytic Geometry II (5)
- ☐ Microbiology 233–General Microbiology (4)
- ☐ Physics 221–Mechanics, Waves, and Heat (5)
- ☐ Physics 222–Electricity, Light, and Modern Physics (5)
- ☐ Physics 235–Engineering Physics I: Mechanics and Wave Motion (5)
- ☐ Physics 236–Engineering Physics II: Electricity and Magnetism (5)
- ☐ Physics 237–Engineering Physics III: Heat Light and Modern Physics (5)

1. Chemistry 121 should only be taken if the student needs it for admittance into Chemistry 201.
2. Mathematics 143 should only be taken if the student it for admittance into Mathematics 207.

D = DEGREE // AC = ADVANCED CERTIFICATE // BC = BASIC CERTIFICATE

Programs offered at: DA KK MX OH TR HW WR

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