

## Academic Programs

### Associate in Science Degree with a Concentration in Biology ( 413)

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The concentration in Biology prepares students to transfer to four-year universities to pursue a bachelor's degree in Cell Biology, Organismal Biology and/or Ecology as well as preparing students for medical, dental, or chiropractic studies.

The associate in science (A.S.) degree is designed to complete the lower-division (freshman and sophomore) portion of a bachelor of science degree in STEM-related majors. As a result, the A.S. degree does not include the entire General Education Core Curriculum (GECC). **Therefore, students will need to complete MORE general education courses after transfer by completing the GECC curriculum while enrolled at the participating Illinois transfer institution OR fulfilling the general education requirements of their selected non-participating transfer institution.**

Biological Sciences - IAI Recommended Baccalaureate Curriculum

#### Transfer Considerations

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**Students who have already chosen the university to which they wish to transfer should consult that institution's catalog or department advisor, an SVCC academic advisor, and an SVCC biology instructor in planning their program.**

1. Baccalaureate biological science programs are diverse. Some programs emphasize cell and molecular biology, whereas others emphasize organismal, ecological and evolutionary biology. Research universities offer specific programs of study, optional tracks or specializations within biology. Students should decide the direction or specialization within the Biological Sciences major as early as possible, preferably by the beginning of the sophomore year. Community college students are strongly encouraged to complete an Associate degree prior to transfer. To transfer as a junior into a baccalaureate biological sciences program, students must complete a minimum of 60 semester credits (64 for the Associate degree), including all of the prerequisite science courses listed. For maximum transferability, students are encouraged to complete all general education, supporting science, and biology core courses listed.
2. Note: Students are advised to complete the entire 3 course introductory biological sciences sequence at one school before transferring. Students who complete only one course may have to repeat that course, since material may be arranged differently by another institution.

#### Competitive Admissions

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**Since admission is competitive, completing the recommended courses does not by itself guarantee admission.**

#### Program Contacts at Sauk Valley Community College

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- Academic Advising, 815-835-6354
- Lori Anton, Assistant Professor of Biology, 815-835-6402
- Bradley Smith, Associate Professor of Biology, 815-835-6225
- Therese Wood, Assistant Professor of Biology, 815-835-6391
- Dr. Lauren M. Orton, Professor of Biology, 815-835-6375

### Minimum Total Credit Hours - 66-68 Hours

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#### Suggested Program

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##### First Semester - 18 Hours

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- Social/Behavioral Science 3 Semester hour(s)
- Personal Development 1 Semester hour(s)

- BIO105 - Principles of Biology ( 5 Semester Hours)
- CHE105 - General Chemistry I ( 5 Semester Hours)
- ENG101 - Composition I ( 3 Semester Hours)
- FYE101 - First Year Experience ( 1 Semester Hours)

### **Second Semester - 17 Hours**

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- Fine Arts 3 Semester hour(s)
- Personal Development 1 Semester hour
- BIO123 - Introduction to Botany ( 5 Semester Hours)
- CHE106 - General Chemistry II ( 5 Semester Hours)
- ENG103 - Composition II ( 3 Semester Hours)

### **Third Semester - 14-15 Hours**

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- Personal Development 1 Semester hour(s)
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- BIO109 - Human Anatomy & Physiology I ( 4 Semester Hours)
- OR**
- CHE201 - Organic Chemistry I ( 5 Semester Hours)
  - BIO131 - General Zoology ( 5 Semester Hours)
  - MAT203 - Calculus & Analytic Geometry I ( 4 Semester Hours)

### **Fourth Semester - 17-18 Hours**

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- Social/Behavioral Science 3 Semester hour(s)
  - Humanities 3 Semester hour(s)
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- BIO110 - Human Anatomy & Physiology II ( 4 Semester Hours)
- OR**
- CHE202 - Organic Chemistry II ( 5 Semester Hours)
  - COM131 - Intro to Oral Communication ( 3 Semester Hours)
  - MAT204 - Calc & Analytic Geometry II ( 4 Semester Hours)

### **Footnotes**

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- \* Medical Science Emphasis