

## Academic Programs

### Associate in Science Degree with a Concentration in Pre-Professional Medical ( 510)

---

This concentration in preprofessional medical outlines the basic lower-level courses required by medical, chiropractic, dental, optometry, veterinary, and pharmacy schools. Students prepare for admission to a professional school by completing required math and science courses in a bachelor's degree such as biology, chemistry, psychology or a related program.

**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. 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.**

#### Transfer Considerations

---

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

1. Pre-professional undergraduate programs are areas of interest, not majors.
2. Strong math-dependent science coursework is required to prepare for pre-professional studies. Completion of anatomy and physiology, biology, chemistry, and/or physics sequences is recommended prior to transfer.

#### Competitive Admissions

---

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

Undergraduate admission requirements will vary depending on selected major.

For professional schools, typical admission requirements include:

1. \*\*A minimum of a bachelor's degree from an accredited institution
2. Competitive cumulative and science-based grade point average
3. Prerequisite courses completed successfully
4. Medical College Admission Test (MCAT) or a similar admission test completed
5. Professional school application that can require letters of recommendation, professional essays, personal statement, work/activities, interview

#### Special Considerations

---

1. Preprofessional health careers require advanced study at a professional school. For instance, to become a medical doctor, students need to earn an MD (medical degree) followed by a residency program. Some specialty areas require longer residencies or a fellowship program.
2. \*\*Some professional health programs competitively admit students with 3 years of undergraduate study including prerequisite coursework
3. Practical experience in the healthcare field is highly recommended. This includes volunteer and work experience.
4. For more information, go to the following sites based on pre-professional program interests: American Chiropractic Association: [www.acatoday.org](http://www.acatoday.org) Association of Medical Colleges: [www.aamc.org](http://www.aamc.org) American Optometric Association: <http://www.aoa.org> American Veterinary Association: [www.avma.org](http://www.avma.org) American Dental Association: [www.ada.org](http://www.ada.org) American Academy of Physician Assistants: [www.aapa.org](http://www.aapa.org) Accreditation Council for Pharmacy Education: [www.acpe-accredit.org](http://www.acpe-accredit.org)

## Program Contacts at Sauk Valley Community College

---

- Academic Advising, 815-835-6354

## Minimum Total Credit Hours - 65-66 Hours

---

### Suggested Program

---

#### First Semester - 18 Hours

---

- \*
- 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)
- MAT203 - Calculus & Analytic Geometry I ( 4 Semester Hours)

#### Second Semester - 17-18 Hours

---

- Social/Behavioral Science 3 Semester hour(s)
- Fine Arts 3 Semester hour(s)
- Additional Mathematics 3-4 Semester hour(s)
- CHE106 - General Chemistry II ( 5 Semester Hours)
- ENG103 - Composition II ( 3 Semester Hours)

#### Third Semester - 16 Hours

---

- Social/Behavioral Science 3 Semester hour(s)
- \*
- BIO131 - General Zoology ( 5 Semester Hours)
- CHE201 - Organic Chemistry I ( 5 Semester Hours)
- OR**
- PHY201 - General Physics I ( 5 Semester Hours)
- COM131 - Intro to Oral Communication ( 3 Semester Hours)

#### Fourth Semester - 14 Hours

---

- Personal Development 3 Semester hour(s)
- Humanities 3 Semester hour(s)
- Social/Behavioral Science or major field requirement 3 Semester hour(s)
- CHE202 - Organic Chemistry II ( 5 Semester Hours)
- OR**
- PHY202 - General Physics II ( 5 Semester Hours)

#### Footnotes

---

- \*Some institutions require BIO 123 Intro to Botany in addition to BIO 105 and 131. BIO 109 & 110 may also be required by some transfer institutions.