

UNIVERSITY of ILLINOIS CHAMPAIGN - URBANA
College of Engineering
Associate in Engineering Science Degree
Effective 2010-2012 SVCC Catalog & 2011-2012 UIUC Catalog

The following is a list of courses that satisfy the **Associate in Engineering Science Degree** requirements at Sauk Valley Community College as well as the requirements for the Engineering programs at the University of Illinois Champaign-Urbana campus. Students transferring without the AES Degree may need to complete different general education courses.

The AES degree does not satisfy all of the IAI general education core requirements.

COMMUNICATIONS **6 CREDITS**

ENG 101, ENG 103 (Must have a grade of C or better in both English courses)

MATHEMATICS **13 CREDITS**

MAT 203, 204, 205

HUMANITIES AND FINE ARTS* **3 or 6 CREDITS**

Interdisciplinary courses encompassing both the Humanities and Fine Arts may be used either category. **If only three hours are completed in Humanities/Fine Arts, then six hours are required in Social/Behavioral Sciences and vice versa. A non-Western or minority culture course is recommended. If two courses are selected in a field, a two-semester sequence in the same discipline is recommended*

Humanities

LAN 202, 252, 262; ENG 201, 203, 204, 212, 215, 217, 225, 226, 227, 228, 230;
PHL 101, 102, 103; ENG 220, 221, PHL 104; HUM 150, 210, 211

Fine Arts

ART 118, 119, 120, 121, 122; MUS 150, MUS 201; SPE 141;
HUM 112, 150, 210, 211

SOCIAL AND BEHAVIORAL SCIENCES** **3 or 6 CREDITS**

***If only three hours are completed in Social/Behavioral Sciences, then six hours are required in Humanities/Fine Arts and vice versa. **ECO 211 and/or ECO 212 are recommended.** If two courses are selected in a field, a two-semester sequence in the same discipline is recommended*

Anthropology

SOC 115, 116

Economics

ECO 211, 212

History

HIS 131, 132, 151, 221, 222, 235, 245, 255, 265

Human Geography

GEO 122

Political Science

GOV 163, 164, 232, 261

Psychology

PSY 103, 200, 214

Sociology

SOC 111, 112, 251

PHYSICAL SCIENCES **5 CREDITS**

CHE 105 (Prerequisite: One year of high school chemistry or CHE 103/102 with a grade of "C" or higher, **and** ability to perform algebraic manipulations)

ORIENTATION **1 CREDIT**

PSY 100

Required Prerequisite Courses – 21 credits

MAT 211, PHY 211, 212, 213, Computer Programming (MAT 150)

(PHY 211 prerequisite is one year of high school physics or PHY 201, **and** MAT 203)

Engineering Specialty Courses – 14 credits

CHE 106, PHY 211, 222, and EGR 103 -- *EGR 103 is an Internet course currently offered at IVCC. The course number is EGR-1000-01 and it is only available in the Spring semesters. Go to www.IVCC.edu for details.*

69 Credit Hours Total for AES

IMPORTANT INFORMATION ON THE BACKSIDE!

University of Illinois Champaign-Urbana

College of Engineering

To qualify for transfer admission to the College of Engineering, a student must complete the following courses:

1. English Composition (ENG 101 and 103)
2. Calculus (MAT 203, 204, and 205)
3. General Chemistry (CHE 105 and 106)
4. Engineering Physics (PHY 211, 212, and 213)

Applicants must demonstrate mastery of subject matter by averaging at least a 3.0/4.0 grade point average in the required technical subjects as well as a 3.0/4.0 cumulative GPA for all courses completed. In addition to the required courses, students may enhance their chances of gaining admission by completing additional courses that transfer to their desired program of study. For complete listings of the graduation requirements, see College of Engineering website at <http://engineering.illinois.edu/prospective-students/transfer-students>

Foreign language is also required for admission. A student must complete the second level of a single foreign language for admission and must complete the third level of a single foreign language for graduation. A level is of one year of high school language or one semester of college language. For example, a student who has completed Spanish 1, 2 and 3 meets both the admission and graduation requirements, however, a student who has completed only Spanish 1 and 2 meets only the admission requirement and must complete a third-level course (e.g., Spanish 3 or Chinese 3) to graduate. **It is recommended that all foreign language be completed prior to transferring to UIUC.**

Applicants are also required to answer one essay question on the application and are given an opportunity to submit additional information:

- **Essay:** In an essay of 300 words or less, explain your motivation to transfer from your current/previous institution and how your academic interests and/or professional goals will be fulfilled in your intended program of study.
- **Additional Information (optional):** If you selected a second choice major, please explain your interest in this major.
- **Additional Information (optional):** If you are unable to meet one or more of the transfer admissions requirements for your program, please explain. Or, is there any additional information you feel we should be aware of while reviewing your application, including extenuating circumstances that affected your academic record?

For more about transfer admissions, see http://admissions.illinois.edu/apply/requirements_transfer.html

For more information, contact the College of Engineering's Office of Academic Programs: engineering@illinois.edu, or 217/333-2280.

*****STUDENTS ARE RESPONSIBLE FOR FINAL COURSE ARTICULATION*****

This document was updated 5/2012