

Danville Area Community College  
Associate of Engineering Science

Transfer Curriculum  
Engineering

Individuals who complete the courses listed below earn the Associate of Engineering Science degree at Danville Area Community College will have met the senior institution's lower division general education requirements and will be admitted as juniors.

Required Courses	Hours
<b>Summer</b>	
ENGL 101 Rhetoric & Composition I	3
CECN 102 Microeconomics	3
Total	6
<b>First Semester</b>	
CHEM 101 College Chemist 1	4
MATH 120 Calc & Analytic Geometry 1	5
Social Science Elective	3
Foreign Language Elective See Note 4.	4
INST 101 success in College	
Total	17
<b>Second Semester</b>	
MATH 130 Calc & Analytic Geometry 11	5
PHYS 106 Physics - Mechanics	4
CHEM 102 College Chemist 11	4
Foreign Language Elective See Note 4.	4
Total	17
<b>Summer</b>	
ENGL 102 Rhetoric & Composition II	3
Total	3
<b>Third Semester</b>	
MATH 140 Calc & Analytic Geometry 111	3
PHYS 107 Physics — Heat, Magnetism and Electricity	4
PHYS 152 Applied Mechanics- Statics see Note 6.	3
MATH 110 Intro to Computer Science	3
Foreign Language Elective See Note 4.	4
Total	17
<b>Fourth Semester</b>	
PHYS 108 Physics: Wave Motion, Light and Modern Physics	4
MATH 211 Differential Equations	3
Humanities Elective	3

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PHYS 211 A Applied Mechanics— Dynamics See Note 7.	3
Total	16

Transfer Admission Requirements:

- I. ENGL 101 and ENGL 102
2. MATH 110, 120, 130, and 140
3. CHEM 101 and 102 (Only Ag & Bio Engineering, Bioengineering, Civil Engineering, Engineering Mechanics, and Materials Science require the 2<sup>nd</sup> level of Chemistry). However, students who wish to earn DACC's AES degree must complete CHEM 102.
4. PHYS 106, 107, and 108
5. To be considered for admission, applicants must demonstrate mastery of subject matter by earning a minimum of a 3.0 GPA on a 4.0 scale in the required sciences and math, as well as a minimum 3.0 cumulative GPA for all coursework completed. For Fall '21, the average transfer GPA for admitted students was 3.80.
6. The Online Application is strongly encouraged. Your application will be processed more quickly and you will be able to check its status online. Online Applications can be accessed at [www.oar.uiuc.edu/prospective/ugrad/apply.html](http://www.oar.uiuc.edu/prospective/ugrad/apply.html).

NOTES:

1. Students who have not had High School Trigonometry must take Trigonometry 114 at DACC prior to enrolling in Calculus 120. Students who have had High School Trigonometry must take DACC Trigonometry Placement Test prior to Calculus 120. The Math Department has determined that MATH 111 and MATH 114 cannot be taken in the same semester.
2. DACC recommends a three (3) hour course in Third World or Non-Western Culture, either in Humanities or Social Science.
3. Effective Fall 1992, new students or re-entering students absent more than two years and seeking an A.S.A. degree are required to take at least one course with human relations content. See your counselor for a list of courses that fulfill this requirement.
4. Engineering students must complete either 3 years of a foreign language in high school or 3 semesters (through 3rd level) of one foreign language in college for graduation.
5. Aerospace, Agricultural, Civil, Engineering Mechanics, General, Industrial, and Mechanical Engineering majors should take PHYS 152.
6. Agricultural, Civil, Engineering Mechanics, General, Industrial, and Mechanical Engineering majors should take PHYS 211.
7. For further information, please contact:

Engineering Transfer Programs  
210 Engineering Hall  
1308 W. Green Street  
Urbana, IL 61801  
Telephone: 217-333-2280  
Email: [engineeringtransfers@illinois.edu](mailto:engineeringtransfers@illinois.edu)

Mechanical Science & Engineering  
1206 W. Green St. MC244  
Urbana, IL. 61801  
Phone: 217-333-1176

PROGRAM AND CURRICULUM REQUIREMENTS ARE SUBJECT TO CHANGE.  
SEE A DACC COUNSELOR OR ACADEMIC ADVISOR FOR UPDATED INFORMATION PRIOR TO  
REGISTRATION EACH SEMESTER.