

BIOENGINEERING TRANSFER PATHWAY, A.E.S.

What is a Transfer Pathway?

A transfer pathway represents a typical course schedule/sequence for a student planning to complete the A.E.S. degree within two years, then transfer and major in a specific discipline. A transfer pathway is not institution-specific.

It is important to understand that the pathway provided in the adjacent tab is just one possible combination of classes by which to complete an A.E.S. and prepare for transfer in your chosen area of study. Other course combinations and sequences can work, too. It is strongly recommended that students work directly and frequently with a COD academic counselor/advisor, a COD faculty advisor, and academic counselors/advisors at potential transfer schools, to develop and execute a plan that works best for them.

For more information about Engineering, please visit the program page (<http://www.cod.edu/engineering/>).

College of DuPage also offers institution-specific information to help prepare you to transfer to a four-year college or university; please visit the transfer opportunities page (<https://cod.edu/academics/transfer/programs/>) for more information.

Suggested Semester Sequence

Course	Title	Credits
First Semester		
MATH 2231	Calculus and Analytic Geometry I (EPC)	5
CHEMI 1551	Principles of Chemistry I (EPC)	5
ENGLI 1101	English Composition I (GEN ED)	3
BIOLO 1151	Principles of Biological Science (ESC)	5
Credits		18
Second Semester		
MATH 2232	Calculus and Analytic Geometry II (EPC)	5
PHYSI 2111	Physics for Science and Engineering I (EPC)	5
ENGLI 1102	English Composition II (GEN ED)	3
CHEMI 1552	Principles of Chemistry II (ESC)	5
Credits		18
Third Semester		
MATH 2233	Calculus and Analytic Geometry III (EPC)	4
PHYSI 2112	Physics for Science and Engineering II (EPC)	5
Gen Ed	Humanities (https://catalog.cod.edu/associate-degree-programs/associate-engineering-science-degree/#humanitiesfineartsAES)	3
or Gen Ed	Social and Behavioral Sciences (https://catalog.cod.edu/associate-degree-programs/associate-engineering-science-degree/#socialbehavioralscienceAES)	
ESC	Consult transfer university	3-5
Credits		15-17

Fourth Semester

MATH 2270	Differential Equations	4
CIS 2485	C++ for Science and Engineering	3
ENGIN 2210	Circuit Analysis I	4
Elective	Program Elective (https://catalog.cod.edu/associate-degree-programs/associate-engineering-science-degree/#engineeringspecialtycourses)	3
ESC	Consult transfer university for requirements	3-4
Credits		17-18
Total Credits		68-71

Program Milestones

First Semester

- Consider joining or visiting with a professional, cultural or interest-based Student Club (http://cod.edu/student_life/clubs_org/).

Second Semester

- If you have not done so yet this semester, it is important to make an appointment with a Faculty or Program Advisor (<https://www.cod.edu/academics/programs/engineering/faculty.aspx>) to discuss your future academic progress.

Fourth Semester

- Complete resume
- Revise Portfolio
- Develop LinkedIn profile
- Apply for graduation (certificate or degree)

General Education Requirements

For general education requirements for the A.E.S. degree, please visit the A.E.S. degree catalog page (<https://catalog.cod.edu/associate-degree-programs/associate-engineering-science-degree/>).

This page lists programs related to one another.

- Chemical Engineering Transfer Pathway, A.E.S. (<https://catalog.cod.edu/programs-study/engineering/chemical-engineering-transfer-pathway-aes/>)
- Civil Engineering Transfer Pathway, A.E.S. (<https://catalog.cod.edu/programs-study/engineering/civil-engineering-transfer-pathway-aes/>)
- Computer Engineering Transfer Pathway, A.E.S. (<https://catalog.cod.edu/programs-study/engineering/computer-engineering-transfer-pathway-aes/>)
- Electrical Engineering Transfer Pathway, A.E.S. (<https://catalog.cod.edu/programs-study/engineering/electrical-engineering-transfer-pathway-aes/>)
- Industrial Engineering Transfer Pathway, A.E.S. (<https://catalog.cod.edu/programs-study/engineering/industrial-engineering-transfer-pathway-aes/>)
- Mechanical Engineering Transfer Pathway, A.E.S. (<https://catalog.cod.edu/programs-study/engineering/mechanical-engineering-transfer-pathway-aes/>)