MECHANICAL ENGINEERING 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) [1]	5
CHEMI 1551	Principles of Chemistry I (EPC) [1]	5
ENGLI 1101	English Composition I [1]	3
ENGIN 1101	Engineering Graphics and Design (ESC) [2]	3
	Credits	**16**
Second Semester		
MATH 2232	Calculus and Analytic Geometry II (EPC) [1]	5
PHYSI 2111	Physics for Science and Engineering I (EPC) [1]	5
ENGLI 1102	English Composition II (GEN ED) [1]	3
ENGIN 2201	Statics (ESC) [2]	3
	Credits	**16**
Summer Semester		
GEN ED	Humanities/Fine Arts or Social/Behavioral Sciences	3
	Credits	**3**
Third Semester		
MATH 2233	Calculus and Analytic Geometry III (EPC) [1]	4
PHYSI 2112	Physics for Science and Engineering II [1]	5
ENGIN 2202	Dynamics (ESC) [2]	3
ENGIN 2203	Mechanics of Materials (ESC) [2]	3
	Credits	**15**
Fourth Semester		
MATH 2270	Differential Equations (EPC) [1]	4
CIS 2485	C++ for Science and Engineering (EPC) [1]	3
ENGIN 2205	Engineering Thermodynamics (ESC)	3
ESC	Consult transfer university [3]	3
ESC	Consult transfer university [3]	3-4
	Credits	**16-17**
	Total Credits	**66-67**

[1] Required for all Engineering majors.
[2] Specific to Civil, Mechanical, and Industrial Engineering degrees.
[3] Use transfer equivalencies to determine appropriate ESC course.

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.

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.

- Bioengineering Transfer Pathway, A.E.S. (https://catalog.cod.edu/programs-study/engineering/bio-engineering-transfer-pathway-aes/)
- 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/)