



The State University
of New York

Transfer Path

Discipline: Mechanical Engineering Technology

SUNY transfer paths outline the knowledge and skills that are essential for students to complete during their first two years of study for a major in a given discipline. The coursework described below will meet degree requirements at all SUNY campuses offering majors in the above discipline. If you complete this coursework successfully, you will be well-positioned to finish your degree with an additional two years of study at your SUNY transfer college.

Use this transfer path to discover both courses related to your major and general education requirements that will prepare you for transfer. Click on each course to view a course description. Then, to map your first two years of courses, visit [Planning Your Coursework](#).

Lower-Division Major Requirements

The courses below are specifically related to your field of study and are part of the requirements for graduation in your major:

Engineering Core Requirements:

- Math course(s) leading to a placement of 'Ready for Calculus (Applied Calculus I or similar)'
- [Calculus I](#) (Applied Calculus I or Similar)
- [General Physics I \(with lab\)](#)
- [General Physics II \(with lab\)](#)

Specific requirements for Mechanical Engineering Technology:

- [Manufacturing Processes](#)
- [Materials Science](#)
- [Solid Modeling](#)
- [Statics](#)
- [Technical Drawing and CAD](#)



Advising Notes

The disciplinary courses in the Mechanical Engineering Technology Transfer Path are the same as the disciplinary courses in the Manufacturing Engineering Technology Transfer Path. Therefore, students who successfully complete these courses should be able to transfer to either a Manufacturing Engineering Technology program or a Mechanical Engineering Technology program, depending on their goals.

Transfer students must satisfy 5 of the 10 SUNY GER areas outlined on the following page. With Mathematics and Natural Sciences satisfied by Engineering Core, at least three additional areas must be satisfied. One of the SUNY GER areas covered must be Basic Communications. Students may need to take additional General Education courses depending on the requirements of the transfer institution.

The transfer path requirements may include courses taken online or through distance learning programs.

There may be additional courses in your major which would transfer, or courses which could be substituted for one of the above. These may be established on a case by case basis. Please see an advisor at your transfer campus to explore those options.



General Education Requirements

General Education courses are related to key academic disciplines and may be outside your field of study. To earn a SUNY bachelor's degree, you must earn 30 credits in at least seven of the following ten skill areas, and demonstrate two competencies. For AS programs in Engineering, students must satisfy five of the following ten skill areas.

Skill Areas:

- Basic Communication (required)
- Mathematics (required)
- American History
- Other World Civilizations
- Foreign Language
- Social Sciences
- Humanities
- The Arts
- Natural Sciences
- Western Civilization

Competencies:

- Critical Thinking (required)
- Information Management (required)

General Education requirements vary by campus and by major. However, if you satisfy the SUNY General Education Requirement (SUNY-GER) area at one campus with a grade of C or higher, you will have met that SUNY-GER area at every other SUNY campus. Visit [Campus Requirements](#) to determine the skill areas required by each campus and the courses available within those areas.

Note: The lower division major requirements outlined in this document will be implemented for SUNY students entering Fall, 2018. Check with your campus advisor for more information regarding current requirements.

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