

CTC/MTC 101
Intro to Engineering Technology
Coordinator: Jayne Baran

Time: MW 10:40-11:30 am
Classroom: Donovan G143
Fall 2025

Course Description:

Required for all freshmen in Civil and Mechanical Engineering Technology. Topics include academic requirements, advisement, software packages, career opportunities, and project management. Additional topics include professional, ethical and social responsibilities; respect for diversity and a knowledge of contemporary professional, societal and global issues; and a commitment to quality, timeliness and continuous improvement. Cross listed with MTC 101.

Credit Hours: 2

Learning Outcomes:

1. Understand academic requirements and career opportunities.
2. Discover the services SUNY Poly provides to students
3. Learn the basics of engineering/science applications using EXCEL
4. Participate in team activities/assignments

Required Text:

Course materials are available through the [SUNY Poly Online Bookstore](#)

“Engineering with Excel”, 5th ed., by Larsen (Pearson)

Office Hours and Contact Info:

See <https://people.sunypoly.edu/~barans/> (Or by appointment)
Email: Jayne.Baran@sunypoly.edu

Donovan Hall 1197
Phone: (315) 792-7542

Topics and Projects:

Topics:	Description	Hrs	Assignments/Projects
1	Intro to Engr. Technology	2.0	Research Careers
2	Academic Requirements	2.0	Homework (Plan of Study)
3	Ethics in the Classroom/Careers	2.0	Submittal of Resume
4	Social Implications of ET	4.0	Paper
5	Problem Solving Skills	2.0	Homework
6	Using Excel to Solve ET Problems	6.0	Homework
7	Guest Speakers/Tours/other	4.0	
	Project Presentations	2.0	
	Mid-Term/Final	4.0	

Methods of Evaluation:

Homework:

Homework shall be typed or neatly handwritten in pencil on engineering graph paper. There is no provision for make-up of homework assignments. A missed homework assignment is a zero and will be factored into the final grade.

Examinations or Project:

There will be one midterm and one final exam (or projects) scheduled during the semester. Students are expected to take the exams at the scheduled times. Generally, no make-up test will be given except for medical emergencies or other valid reasons for which prior approval has been obtained.

Projects:

Applied design projects and reports emphasize teamwork and communication, as well as the application of industry-standard hydraulic, word-processing, spreadsheet, and presentation software. The need for professionalism and excellence is reinforced through the requirement for assignments to be completed on time and in a neat and well-organized manner

Attendance/Participation:

Students are expected to attend every class period and have homework and project assignments completed and ready to present. A missed class does not excuse responsibility for the work covered in class and the homework assignments. Students will be held to the standards set forth in the *Student Handbook*, stated as the College's "Code of Academic Conduct."

Homework	50%
Midterm	20%
Final	20%
Attendance/Participation	10%

Technical Assistance for Students:

The [SUNY Poly Help Desk](#) is in the Cayan Library on the first floor. You can contact them by phone at 315-792-7440, by email at helpdesk@sunypoly.edu, or by submitting an online help ticket on their website.

If the SUNY Poly Help Desk is closed, you can obtain assistance from the [Open SUNY Help Desk](#) by calling 1-844-OPENSUNY (673-6786). The Open SUNY email is OpenSUNYHelp@suny.edu or you can [submit an online help ticket](#).

The SUNY Poly ITS website has [information about software and hardware](#) that you can access as a student, as well as links to software you may need in your classes. Students are encouraged to save all work in multiple locations. MS Office OneDrive is available for use. For assistance, please contact the ITS Help Desk, helpdesk@sunypoly.edu or 315-792-7440.

Cancellation of Classes Due to Inclement Weather or Other Emergency:

SUNY Poly has a 24-hour hotline, called Snowline, to inform students, faculty, and staff when severe weather prompts the cancellation of all classes. Snowline can be reached by calling 315-792-7385. In the event of severe weather, Snowline will announce only the cancellation of ALL classes. The cancellation of all classes will also be posted online and broadcast on radio and television stations in the Utica-Rome and Syracuse areas. The SUNY Poly website also maintains a list of [individual class cancellations](#).

In addition, all SUNY Poly students and employees are enrolled in the Rave Alert emergency alert service. You can visit the [SUNY Poly Rave Alert website](#) to learn more and to adjust your notification preferences.

Accommodations for Students with Accessibility Needs at SUNY Polytechnic Institute:

Your access in this course is important to me. Incompliance with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973, SUNY Polytechnic Institute is committed to ensuring comprehensive educational access and accommodations for all registered students seeking access to meet course requirements and fully participate in programs and activities. Students with documented disabilities, temporary, or medical conditions are encouraged to request services by contacting Student Accessibility Services (SAS) or filling out the Request for Accommodations form. Please note, requesting accommodations is only the first step. You must provide documentation (the request form may count) to SAS and meet with staff before receiving accommodations. Please do this as early as possible 1) because accommodations are never retroactive and 2) so that we have adequate time to arrange your approved academic accommodation/s.

Once SAS creates your accommodation plan, it is your responsibility to provide me a copy of the accommodation plan. If you experience any access barriers in this course, such as with printed content, graphics, online materials, etc., reach out to me or SAS right away. For information related to these services or to schedule an appointment, please contact SAS using the information provided below.

Office of Student Accessibility Services

SAS@sunypoly.edu

(315) 792-7170

Kunsela Hall, B101

Pregnancy Statement

SUNY Poly is committed to fostering an inclusive and supportive environment for all students and it does not discriminate against any student based on the student's pregnancy or related conditions. If you have questions or concerns related to pregnancy or related conditions, please contact the Title IX Coordinator, Kathie Artigiani at artigik@sunypoly.edu.