





## Mechanical & Manufacturing Technologies for Energy & Sustainability 2025

The MET<sup>2</sup> Program develops innovative solutions and improvements for the environmental, medical, and space industries. Students from their first year of college through senior year work on industry lead projects to support their research efforts and develop their ideas into working systems.

You are invited to participate in an exciting hands-on engineering and technology program with other students from community college and universities in Connecticut to work together on real-world, industry lead projects in inter-institutional, interdisciplinary, self-managed teams. Through hands-on projects, the 2025 Program is designed to develop and further enhance your technology and engineering skills as well as prepare you to meet the needs of Industry 4.0.

Student stipends are available and funded by: The **National Science Foundation** and **National Center for Next Generation Manufacturing**  
NOTE ACCEPTED PARTICIPANTS MUST BE ABLE TO:

- 1) Attend the in-person 2025 Winter Intersession Program (*Thursday, January 2 –Thursday, January 16, 2025*) at CT State Community College Tunxis Campus, Farmington.
- 2) Continue work, including team meetings and research, which may account for up to 100 hours with their Program team during the 2025 Spring Semester
- 3) Contribute to the final report and presentation (due by June 6, 2025 - Friday)

2025 MET<sup>2</sup> Program Student Application Form

### Are you interested in.....?

*Mold/ Pattern Making*

*Arduino – Electronic Circuitry*

*Blue Print Reading*

*CAD – SolidWorks and 3D Printing*

*Composite and Smart Fabrics*

*Manufacturing Processes*

### HOW TO APPLY – All applicants must submit all **Required Application Materials**

1. Completed and accurate 2025 MET<sup>2</sup> Program Student Application Form
2. One - page essay on why you would like to participate on the 2025 MET<sup>2</sup> Program (No exceptions)

### HOW TO SUBMIT – Send all Required Application Materials with a subject “First, Last Name 2025 – MET<sup>2</sup> Application”

<p><b>Preferred method, EMAIL</b>  <a href="mailto:thebirchgroup@snet.net">thebirchgroup@snet.net</a>          John Birch, Executive Director MET<sup>2</sup>          860-810-4523</p>	<p><b>Alternate method, MAIL</b>          John Birch,          6 Forest Park Dr.          Farmington, CT 06032</p>
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**DEADLINE for all application materials must be submitted no later than FRIDAY DECEMBER 6th, 2024 to ensure consideration.**

**Applications and inquiries are also available on the MET<sup>2</sup> website:**  
**[www.met2program.org](http://www.met2program.org)**

*\*Admission to the MET<sup>2</sup> Program is based on a variety of criteria, with all factors in the applicant’s background considered.*

For more information, contact

MET<sup>2</sup> Program Executive Director  
 John Birch, President  
 The Birch Group, LLC  
 thebirchgroup@snet.net  
 860-810-4523

Date Submitted	
Name	
Email	
Preferred Phone	
Permanent Mailing Address	
Educational Institute	
Field of Study	
Referring Faculty*	

\*By typing your name here you are acknowledging that you are referring this student.