



## Mechanical & Manufacturing Technologies for Energy & Sustainability 2025

*The MET<sup>2</sup> Program develops innovative solution and improvements for the environmental, medical, and space industries. Students from their first year of college through senior year work on our projects as partners with industry 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 bringing together students from community college and university to work together on real-world problems /projects in inter-institutional, interdisciplinary self-managed teams. Through hands on projects, the 2025 Program is designed to develop or further enhance your technology and engineering skills as well as prepare you to meet the needs of today's 4<sup>th</sup> Industrial Revolution.

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

- 1) Attend the 2025 Winter Intersession Program (*Thursday, January 2 – Tuesday, January 17, 2025*).
- 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”

<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	<b>Alternate method, MAIL</b> John Birch, 6 Forest Park Dr. Farmington, CT 06032
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All Required Application Materials must be submitted no later than **December 6, 2024 (Friday)** 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](mailto: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.