

2026 ENGINEERING DESIGN NIGHT

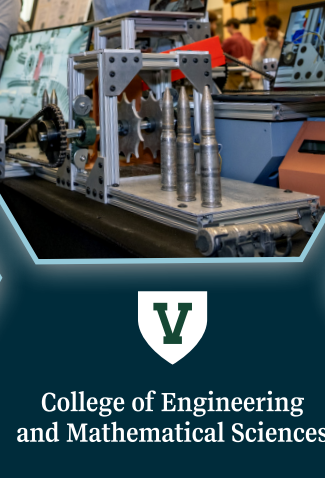
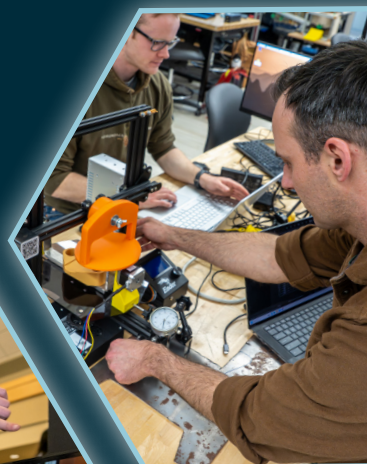
Celebrating the capstone project designs
by teams of UVM Engineering Seniors

Friday, April 24

5:00-7:00 pm

Grand Maple Ballroom

Davis Center



College of Engineering
and Mathematical Sciences

2026 ENGINEERING DESIGN NIGHT

Senior Capstone
Project Presentations

FRIDAY, APRIL 24, 2026

Grand Maple Ballroom, Dudley H. Davis Center

Featuring

Mechanical and Electrical Engineering

Senior Experience in Engineering Design (SEED)

Professors Keith Epstein and Keith Doyle

Civil and Environmental Engineering

Capstone Design Project

John E. Lens, PhD, PE

Biomedical Engineering Program

Capstone Design Project

Yuri Hudak, Director, Center for Biomedical Innovation

and presentation of

The Engineering Honors Awards

Mechanical, Biomedical, Electrical, Civil, Environmental,
General Engineering and Engineering Management

Mechanical and Electrical Engineering

Co-Instructors: Professor Keith Epstein and Professor Keith Doyle

ME 4010/4020, EE 4100/4200, Senior Experience in Engineering Design (SEED)

PROJECT 465: **Automated 3D Test Fixture For Wireless Power Transfer Systems**

Design and program an automated and customizable fixture for testing wireless power transfer systems in 3 dimensional space. The system will control the spacing between a transmitter and a receiver for measuring system efficiency.

Sponsor: Resonant Link Medical

Student Team: Jack Galt, Maddie Mayo, Nick Totten, Shea McGregor

Mentors: Professors Jeff Frolik, James Kay

PROJECT 466: **Automated Ammunition Handoff Device**

Develop an electromechanical system for high rate, controlled, and reliable transfer of cylindrical objects from a linear conveyor to a rotary conveyor.

Sponsor: General Dynamics Ordnance and Tactical Systems, Inc.

Student Team: Jake Ewing, Logan Riddle, Sergei Strokanov, Sarah Wiederman

Mentor: Professor Dylan Burns

PROJECT 467: **Automated Truffle Picking and Packing System**

FREE Chocolate! This project is to design an automated system to pick and pack decorated truffles into boxes; replacing the current manual, ergonomically challenging process.

Sponsor: Birnn Chocolates of Vermont

Student Team: Ali Arvelo, Adam Boyle, Ryan Poliquin, Spencer Hart

Mentor: Professor Laura Treers

PROJECT 468: **Automatic Ice Chopper**

Design and build a remote controlled ice chopper for building entryways that can break up to 1 inch of ice. This will alleviate safety hazards for the community and save labor and time for custodial staff.

Sponsor: UVM - Custodial Services

Student Team: Jasper Henderson, Jack Worobel, Seamus Howrigan, Wyatt Slater

Mentor: Professor Keith Epstein

PROJECT 469: **Bidirectional and Half Bridge GaN Layout And Device Design**

Design a new Bidirectional GaN (Gallium Nitride) device and a half bridge circuit on a test chip which will then be manufactured by Global Foundries and measured by the students.

Sponsor: GlobalFoundries

Student Team: Aria Lindberg, Adam Slamani, Kendyll Bache, Ryan Anderson

Mentor: Professor Tian Xia

PROJECT 470: **Bidirectional GaN Device Measurement System**

Design and build a system to measure/characterize a new Bidirectional GaN device on a test chip manufactured by GF with the help of a characterization lab.

Sponsor: GlobalFoundries

Student Team: Daniel Nalepa, Emmett Bortnick, Eli Swanson, Naroa Eransus Ruiz

Mentor: Professor Jackson Anderson

PROJECT 471: **Cable Flex Testing Apparatus**

Design and build a cable flex testing apparatus to meet ISO-19642 for measuring durability of electrical cables under extreme conditions.

Sponsor: Champlain Cable

Student Team: Frances Gebhard, Jack Pfeffer, Mark Rodstrom, Noah Schwartz

Mentor: Professor Dylan Burns

PROJECT 472: **CartiLoad**

Develop a clinical device to cyclically apply force to the knee after surgery before walking normally is possible, to improve recovery while reducing risk of injury.

Sponsor: UVM - Mechanical Engineering

Student Team: Autumn Bullinger, Caleb Hess, Loa Georgsdottir, Sawyer Hays

Mentor: Professor Yves Dubief

PROJECT 473: **Child Bike Carrier for a Cargo Bike**

Design and create a working prototype for a product that will enable users to transport a child's bike on an occupied cargo bike.

Sponsor: Ben Kuhlmann

Student Team: Daniel Mazzaresse, Matt Rogers, Neil Guy, Paul Charisse

Mentor: Professor Keith Doyle

PROJECT 474: **Coconut Engraving Machine**

Design and build a system to automate custom laser engraving of coconuts. The coconuts are used for branding and promotion, and the manual process needs to be sped up and consistency needs to be improved.

Sponsor: The CoCo Bar

Student Team: Ethan Johnson, Jimmy Pare, Ryan Gebler, Zach Haimes

Mentor: Professor Frederic Sansoz

PROJECT 475: **Current Sensor Module Reference Design**

Design and build a packaged current sensor module utilizing a current shunt and Analog Device's isolated sigma-delta modulator analog to digital converter. The module must be robust and meet rigorous industrial environment standards.

Sponsor: Analog Devices

Student Team: Caroline Johnson, Elie Chauvin, Nate Seibold, Samuel Starzec

Mentor: Professor Amrit Pandey

PROJECT 476: **Improved Snow Blower Discharge Chute Controls**

Design and implement improved snow blower discharge chute controls to reduce cycle time, effort and maintenance.

Sponsor: DR Power Equipment

Student Team: Alethea Constantine, Ben Rogers, Justin Kampf, Max Naylor

Mentor: Professor Will Louisos

PROJECT 477: **Inductive Pressure Sensor Electronics and Packaging**

A previous SEED team designed and manufactured an inductive based pressure sensor. Design and build a single channel circuit to measure the sensor's inductance, and package the mechanical and electrical components together in a durable module.

Sponsor: Simmonds Precision Products

Student Team: Alex Caldanaro, Eleanor Vander Molen, Miles Feheley, Owen Cook

Mentor: Professor Eva Cosoroaba

PROJECT 478: **Liquid Metal Mold Measurement Fixture**

Create a device to measure the mold for non-ferrous metal continuous casting machines. It must hold tight tolerances and meet a high standard of precision and repeatability. If successful, your design will be used to assist in installation, maintenance, and commissioning of continuous casting machines all around the world.

Sponsor: Hazelett

Student Team: Camden Piper, Jake Muldoon, Julien Buttolph, Tom Morgan

Mentor: Professor Dryver Huston

PROJECT 479: **MicroContainer System For Sustainable Deliveries**

Sustainable Deliveries require standardized containers that fit the constraints of the vehicles of the future. Design and build unitization/palletization systems that will make sustainable transport (cargo bike, sea, light electric vehicle, rail) as time and cost efficient as conventional systems.

Sponsor: Center for Post Carbon Logistics

Student Team: Giorgia Mari, Lucas Daly, Oren Beckwith, Silvia Murdoch Meyer

Mentor: Professor Yves Dubief

PROJECT 480: **Rocket Propellant Sampling Device**

Design and build a device to sample liquid rocket propellant at point of use (just before it enters the spacecraft or test stand) and distribute it into accurately measured quantities which can be delivered to various downstream analytical instruments.

Sponsor: Benchmark Space Systems

Student Team: Anna Bushey, Carter Morrissey, Jack Snyder, Maxwell Lucas

Mentor: Professor Yves Dubief

PROJECT 481: **Shielding Effectiveness Test Apparatus**

Design and build an apparatus for evaluating the effectiveness of wire and cable electrical shielding, following international standards. The apparatus must be adaptable to various cable sizes.

Sponsor: Champlain Cable

Student Team: Andrew Gould, Georgia Krepler, James Korzenko, Leo Godley

Mentor: Professor Dryver Huston

PROJECT 482: **Solar PV Reference Cell**

Design and prototype a sensor that provide accurates, calibrated measurement of the available solar energy. The sensor will be used in the assessment and monitoring of solar electric generation facilities.

Sponsor: NRG Systems

Student Team: Ethan Perry, Jeremiah Masterson, Nolan Chanda, Sienna Dorr

Mentors: Professors Mads Almassalkhi, Sam Chevalier

PROJECT 483: **StrollRunner 2.0**

Design and prototype improvements to a hands-free stroller running product. StrollRunner needs to be made more comfortable and easier to setup and use, based on user feedback from StrollRunner 1.0.

Sponsor: StrollRunner, LLC

Student Team: Jonathan Hills, Leila Husson, Nick Matteis, Robbie McKersie

Mentors: Professors Nic Fiorentino, Michael Rosenberg

PROJECT 484: **Surface Acoustic Wave Harmonic Transponders for Flood Resilience**

Develop and benchmark a packaged surface acoustic wave (SAW) harmonic radiofrequency transponder for applications in remote snowpack monitoring, enabling higher fidelity data for groundwater modeling.

Sponsor: UVM - Electrical Engineering

Student Team: Carter Hill, Grant Floyd, Ian Cassidy, Rosalee Sullivan

Mentor: Professor Jackson Anderson

PROJECT 485: **The Auger Weeding Garden Robot**

The Auger Weeding Robot is an autonomous ground robot for small farms that uses an auger-based mechanism, vision systems, and AI-driven weed detection to distinguish and remove weeds while safely navigating its environment. This project is a continuation of a previous SEED project, and advances capabilities in perception, planning, and control, laying the foundation for future research in resilient and electrified agriculture in Vermont.

Sponsor: UVM - Electrical Engineering

Student Team: Andie Brown, Cade Larcom, John Poirier, Niels Keller

Mentor: Professor Safwan Wshah

PROJECT 486: **ToddlerView Head-Mounted Camera**

Collaborate with a speech and language researcher at UVM to adapt a head-mounted camera (similar to a GoPro) for use by toddlers in laboratory and home environments. The camera must record audio and video from the toddler's perspective for use in language development research. Recordings address a critical need to understand individual differences in how young children (with and without speech and language difficulties) learn words in a naturalistic environment.

Sponsor: UVM - Department of Communication Sciences and Disorders

Student Team: Benjamin Cunningham, Caroline Cavicchi, Laila-Mari Leo, Lauren Wagner

Mentor: Professor Dryver Huston

PROJECT 487: **Transdermal R&D Sheeter Improvements**

Design and implement innovative solutions to improve the reliability of a pre-commercial production line of medicated adhesive patches. The solution should be reliable and easily implemented, to solve long-standing manufacturing challenges.

Sponsor: Viatrix

Student Team: Ben Berkson-Harvey, Kate Reilly, Nate Remillard, Owen Calderwood

Mentor: Professor Keith Epstein

PROJECT 488: **Wearable Wireless Temperature Logger For Small Aquatic Animals**

Develop a tiny wearable temperature logger for eastern newts to understand how wildlife behavior influences the temperature that they experience. The logger is a continuation of a UVM undergraduate research project.

Sponsor: UVM - Rubenstein School of Environment and Natural Resources

Student Team: Alex Rubin, Boaz Lovich, Olivia Brand, Reed Simon

Mentor: Professor Laura Treers

Civil and Environmental Engineering

Course Instructor: John E. Lens, PhD, PE

CEE course teaching assistants: Fall: Silas Decker / Spring: Tanmoy Dutta

Spring 2026 CEE 4950 Capstone Projects

PROJECT 1: **Depot Street Bridge, Jamaica, VT**

Design Rehabilitation/Replacement for an 86-year-old steel/concrete bridge.

Community Partner: Town of Jamaica

Student Team: John P. Kell, David P. McDonald, Ethan C. Suiter

Team technical advisor: Carolyn Cota, P.E.

PROJECT 2: **Airport Parkway WWTF, South Burlington, VT**

Design solutions to reduce the use of pH control chemicals.

Community Partner: South Burlington Water Quality (Wastewater Treatment)

Student Team: Nolan T. Grant, Ilana Schneck, Emily G. Grunes

Team technical advisor: Professor Matthew Scarborough, P.E.

PROJECT 3: **Centennial Woods ADA Path, Burlington, VT**

Design a universally accessible path for all-season use.

Community Partner: UVM Natural Areas

Student Team: Gabe P. Lahaussais, Peter G. Nicholson, Brody C. Thomases

Team technical advisor: Derick Read, P.E., Krebs and Lansing, Inc.

PROJECT 4: **Shelburne Hullcrest Stormwater, Shelburne, VT**

Design stormwater runoff mitigation with phosphorous removal.

Community Partner: Town of Shelburne Stormwater/ Water Quality

Student Team: Claire A. Roth, Merry Tuurmann, Aliza J. Levey

Team technical advisors: Shayne Geiger, Rachel Tobler, Charlotte Bassow, Willa Regal

PROJECT 5: **Shelburne Stormwater, Shelburne, VT**

Design an optimized benchmark stormwater mitigation system.

Community Partner: Town of Shelburne Stormwater/ Water Quality

Student Team: Carina Tallarico, Maya A. Celotti, Sam V. Maneikis, Caroline M. Stone

Team technical advisor: Shayne Geiger, Rachel Tobler, Charlotte Bassow, Willa Regal

PROJECT 6: **Townshend Active Transportation, Townshend, VT**

Design active transportation and parking improvements in the village.

Community Partner: Town of Townshend Selectboard, Windham Regional Commission

Student Team: Teddy Chavez, Billie S. McCarthy, Joana Gjini, William R. Huber

Team technical advisor: Professor John Sangster

PROJECT 7: **Pearl/Colchester/Prospect Intersection, UVM, VT**

Design improvements for capacity and pedestrian/cyclist deficiencies.

Community Partner: Vermont Agency of Transportation

Student Team: Kate G. Montano, Emma C. Noble, Naomi S. Shenk

Team technical advisor: Taylor Sisson, P.E.

PROJECT 8: **Canaan WWTF, Canaan, VT**

Design septage treatment and capacity improvements.

Community Partner: Town of Canaan, VT/ Vermont Department of Environmental Conservation

Student Team: Daniel A. Jaccaci, Dill A. McIntire, Antonio R. Pucillo

Team technical advisor: John Willis, (PE, ret.)

PROJECT 9: **Arlington WWTF, Arlington, VT**

Design wastewater treatment and capacity improvements.

Community Partner: Arlington, VT School District/ Vermont Department of Environmental Conservation

Student Team: Maggie R. Jaynes, Andrew P. Chen, Olivia C. Pepin

Team technical advisors: John Willis, (PE, ret.), Ian Schrauf

PROJECT 10: **UVM Greenhouse Gas Emissions, UVM, VT**

Design greenhouse gas reduction for the Jeffords Building.

Community Partner: UVM Physical Plant

Student Team: Noah R. Bleakmore, Ray L. Blegen, Rachel I. Goodwin, Lauren M. Nelson

Team technical advisor: Tate Colbert, P.E., George Martin, P.E., Professor Kathryn Hinkelman

Fall 2025 CEE 4950 Capstone Projects

PROJECT 1: **Centennial Woods Bridge, VT**

Design repair/replacement for a damaged pathway bridge over Centennial Brook

Community Partner: UVM Natural Areas

Student Team: Annika E. Huber, Evan D. Joaquin, Kenneth J. Morrissey, Maddie Roussin

Team technical advisor: Professor John Lens, P.E.

PROJECT 2: **Plainfield Culvert, VT**

Design repair/replacement for an undersized culvert on Gore Road

Community Partner: Town of Plainfield, VT

Student Team: Henry Leister, Ayden A. Morrison, Kaley Pham, Gabriella T. Russo, Holden S. Thompson

Team technical advisor: Professor John Lens, P.E.

PROJECT 3: **Shelburne Cemetery Stormwater, Shelburne, VT**

Design stormwater runoff mitigation for phosphorous mitigation

Community Partner: Town of Shelburne Stormwater/ Water Quality

Student Team: Charlotte T. Bassow, Charlie A. Clark, Katherine Lightle, Willa A Regal, Garrett J. Webster

Team technical advisor: Shayne Geiger, Rachel Tobler

PROJECT 4: **Drinking Water Supply Augmentation, Jeffersonville, VT**

Design village water supply capacity improvements.

Community Partner: Town of Jeffersonville Water Department

Student Team: Sarah I. Frazin, Cole J. Napolitano,

Team technical advisors: John Willis (PE, ret.)

PROJECT 5: **Highland Avenue Sewer, Stowe, VT**

Design repair/replacement for deteriorating village sanitary sewers.

Community Partner: Town of Stowe, Department of Public Works

Student Team: Jenson W. Benevides, Gavin Dewey, True W. Hanson, Ethan A Wolf

Team technical advisor: Harry Shepard, P.E., Kestrel Owens

PROJECT 6: **Montpelier Ice Jam Mitigation, Montpelier, VT**

Design ice jam hazard mitigation for the Winooski River in Montpelier.

Community Partner: City of Montpelier

Student Team: Alex H. Donahue, Rachel K. Marco, Ella K. Niemeyer, Nat W. Robtoy

Team technical advisor: Chandler Engel, P.E.

PROJECT 7: **Warren Garage Site Reuse, Warren, VT**

Design garage and sand storage site reuse options for community benefit.

Community Partner: Town of Warren, VT Planning Commission

Student Team: Caleb E. Morse, Matt D. Premysler, Owen C Weber

Team technical advisor: Professor John Lens, P.E.

PROJECT 8: **Culvert Plugging Mitigation, Stowe, VT**

Design measures to prevent small culvert plugging from boulders in extreme streamflows.

Community Partner: Town of Stowe, Department of Public Works

Student Team: Gabriel J. Aiken-Hafner, Daniel S. Farbaniec, Emmet G. Kimberly, Sean W. Riley.

Team technical advisors: Professor Kristen Underwood, Harry Shepard, P.E.

PROJECT 9: **Depot Street Bridge, Jamaica, VT**

Design repair/replacement for an 86 year old steel/concrete bridge.

Community Partner: Town of Jamaica, VT and Windham Regional Commission

Student Team: Jack A. Cannizzaro, James T. Cilwik, Luke Gold, Rohin P. Jordan

Team technical advisor: Professor John Lens, P.E.

PROJECT 10: **Routes 5 and 121 Intersection, Rockingham, VT**

Design pedestrian and traffic safety improvements.

Community Partner: Town of Rockingham, Bellows Falls Village Bike/Walk Committee

Student Team: Julia V. Bautista, Harry M. Missing, Theo D. Packard, Riley C. Pantalena

Team technical advisor: Professor John Sangster

PROJECT 11: **Route 7 Shelburne Village Intersection, Shelburne, VT**

Design pedestrian and traffic safety improvements.

Community Partner: Vermont Agency of Transportation

Student Team: Jess M. Donlevie, Emma McDonald, Adam D. Morenberg, Liam Morse

Team technical advisor: Taylor Sisson, P.E.

PROJECT 12: **GMT Transit Stop Design**

Design ADA accessible transit stops.

Community Partner: Green Mountain Transit

Student Team: Thomas J. Didier, Lindsey M. Groves, Max E. Olechna, Jocie B. Pickhardt

Team technical advisor: Professor John Lens, P.E.

Biomedical Engineering

Instructor: Yuri Hudak, Director, Center for Biomedical Innovation

Spring 2026 (BME 4650)

PROJECT 1: **Electrocautery**

A novel device for simultaneous carpal tunnel release and electrocauterization.

Student Team: Jackie Berk, Alisson Fernandez Tuiro

Mentor: Seth Frenzen (LCOM)

PROJECT 2: **Ablation Station**

Toward improved ventricular tachycardia ablation through novel electrode design.

Student Team: Julia Brigl

Mentor: Nathaniel Thompson (LCOM)

PROJECT 3: **Heartbreakers**

Advancing cardiac research through an improved cardiac tissue bioreactor.

Student Team: Lauren Downs, Christina Wilson, Lance Lawida

Mentor: Matthew Caporizzo (LCOM)

PROJECT 4: **Sound Solez**

A novel gait sonification device for improving research and treatment for patients with Parkinson's disease.

Student Team: Thomas Lynch, Sabrina Goslin

Mentor: Jasmine Mirdamadi (CNHS)

PROJECT 5: **ModuCare**

A modular clinic for improved access to care in rural Vermont.

Student Team: Shea Moroney, Denise Stretinska

Mentor: Yuri Hudak (CEMS)

Fall 2025 (BME 4600)

PROJECT 1: **Shoulder Injection**

A wearable shoulder joint injection model for medical education

Student Team: Ty Bears, Anya Bobkoskie, Dario Boncaldo, Jillian Griffith

Mentor: Daniel Ackil (LCOM)

PROJECT 2: **BioMe**

A reusable bacterial interaction co-culture plate.

Student Team: Cole Alden, Matthew Bishop-Gyls, Kaitlyn Glushko, Elise Hellmann, Ava Pistacchio, Ryan Siegel

Mentor: David Bernstein (CEMS)

PROJECT 3: **Heartbreakers**

Advancing cardiac research through an improved cardiac tissue bioreactor.

Student Team: Henry Andy, Iain Doucette, Lauren Downs, Lance Lawida, Ellie Lieberman

Mentor: Matthew Caporizzo (LCOM)

PROJECT 4: **NeuroCool**

Infrared temperature sensing for safe cooling of the brain after stroke.

Student Team: Shea Moroney, Katelyn Moseley, Kristof Rohaly-Medved, Denise Stretinska

Mentor: Adam Sprouse-Blum (LCOM)

PROJECT 5: **Electrocautery**

Integrating a monopolar electrocautery system into an endoscopic carpal tunnel release device.

Student Team: Julia Brigl, Tucker Johnsen, Sloane Stamp, Christina Wilson, Beatrice Zaleski

Mentor: Seth Frenzen (LCOM)

PROJECT 6: **Ablation Station**

Modeling of a novel cardiac ablation electrode.

Student Team: Henry Andy, Iain Doucette, Lauren Downs, Lance Lawida, Ellie Lieberman

Mentor: Nathaniel Thompson (LCOM)

PROJECT 7: **Sound Solez**

Gait sonification for Parkinson's disease.

Student Team: Hannah Carroll, Sabrina Goslin, Thomas Lynch, Caitlyn Robinson, Kyle Yost

Mentor: Sam Fox (CEMS)

PROJECT 8: **Health TRAC**

Cognitive assessment via toothbrushing.

Student Team: Kaelen Kenna

Mentor: Yuri Hudak (CEMS)

2026 Engineering Honor's Awards

Civil & Environmental Engineering

Student Environmental Engineer of the Year: Nathaniel Robtoy

Student Civil Engineer of the Year: Emma Carol McDonald

American Society of Civil Engineers Award – Emma Carol McDonald (CE)

For meritorious work in the student chapter of ASCE

Douglas P. Fay Award – Annika Elizabeth Huber (CE) and Jocelyn Barbara Pickhardt (EENV)

The Douglas P. Fay Award was established in 1973 in honor of a faculty member who long served the program and is made to that student "who has made the greatest contribution to the Program of Civil and Environmental Engineering during the past year."

Edward H. Phelps Prize – James T Cilwik (CE) and Emily Gillian Grunes (EENV)

The Edward Haight Phelps Award was established in 1884 by his father, the Honorable E.J. Phelps of Burlington. It is awarded by the Faculty of Civil and Environmental Engineering to a student in the program "who shall have exhibited conspicuous merit in professional studies, and high and noble traits of character if such can be found."

Junior Award – Kate Lockwood (CE) and Johannes Shattuck (EENV)

Given each year by the Faculty of the Civil and Environmental Engineering to a junior who "best displays outstanding scholarship and commitment to civil and environmental engineering."

Reginald Milbank Sophomore Award – Phoebe Richardson (CE) and Ash Carreiro (EENV)

In honor of Professor Reginald V. Milbank, who served the program for 23 years, this award was established in 1970 and is awarded annually to the "outstanding sophomore enrolled in Civil and Environmental Engineering at the University of Vermont."

Scholastic Achievement Award – Chris Larosa (CE) and Ella Niemeyer (EENV)

In recognition of outstanding academic success throughout their college career.

Electrical and Biomedical Engineering

Student Biomedical Engineer of the Year: Lauren Amber Downs

Student Electrical Engineer of the Year: Niels Keller

Atwater-Kent (Senior) Award: Ryan James Anderson and Nicholas Totten

For an undergraduate student who has demonstrated extraordinary qualities of integrity and commitment to others through outstanding service to faculty, staff, and students at the College of Engineering and Mathematical Sciences

BME Program Award: Ryan Siegel

For fostering inclusion, excellence, and awareness of all aspects of Biomedical Engineering.

BME Senior Award: Julia Christa Brigl

For excellence in performance and the greatest promise of success.

BME Graduate Award: Stephen Paige

For research excellence and greatest promise of success.

Cyril G. Veinott Graduate Award: Mazen Elsaadany

For excellence in performance and greatest promise of success.

Junior BME Award: Carissa Lee and Anna Showalter

For excellence in performance and the greatest promise of success.

Junior EE Award: Kate Burton and Joshua Dykas

For excellence in performance and greatest promise of success in electrical engineering.

Mechanical Engineering

Student Mechanical Engineer of the Year: Ryan Matthew Poliquin

ME Grad Teaching & Outreach Award: Gabriel Johnson, Andrzej Prince, and Luke Randall

For excellence in performance and greatest promise of success.

ME Graduate Research Award: Mehrdad Ahmadinejad

For excellence in performance and greatest promise of success.

Edmund F. Little (Senior) Award: John 'Jack' Galt, Jack Pfeffer, and Matthew Rogers

For meritorious work in the mechanical arts.

ME Undergraduate Service Award: June Clark, Ari Faltz, and Lily Palfey

For excellence in performance and greatest promise of success.

Sean O'Flaherty Fahey Commemorative (Junior) Award:

Morgan Barnes, Charles Barrett, and Maeve Macauley

For a junior mechanical engineering student who reflects the engineering achievements and spirit of Sean O'Flaherty Fahey.

ME Sophomore Award: Kineo Sommers

For outstanding scholarship and commitment to mechanical engineering.

ME Undergraduate Research Award: Alessandra Victoria Arvelo, Adam Mihaly Boyle, and Andrew Hunter Gould

For excellence in performance and greatest promise of success.

Honorary & Professional Society Awards

UVM Student Engineer of the Year Award: Ryan Matthew Poliquin

For outstanding scholastic achievement and participation in university-related activities.

American Institute of Aeronautics and Astronautics (AIAA) Award: Jonathan Peter Hills

For meritorious work in the student chapter of the American Institute of Aeronautics and Astronautics.

American Society of Mechanical Engineers (ASME) Award: Alex Zaccardi

For meritorious work in the student chapter of the American Society of Mechanical Engineers.

Institute of Electrical & Electronics Engineering (IEEE) Student Branch Award:

Payton Schuttinger

For fostering technological innovation and excellence for the benefit of humanity.

Society of Women Engineers Award (SWE) Award: Katrin Lelyushkina

For the greatest contribution to the activities and objectives of the student chapter of SWE.

Engineering Management Senior Award: Andie Sugeta Brown

In recognition of academic success in Engineering Management.

Tau Beta Pi/John O. Outwater Prize: Garrett Jude Webster

To the outgoing president of Tau Beta Pi who, by virtue of the office, has demonstrated skill, tact, and initiative.

June Veinott Award: Leah Dennis, Alani Kiaha, Sky Mace, Sophie Seewald, and Senique Wilson

To the female student who, at the end of her first year of study, shows the greatest promise of being successful in the engineering profession.

Engineers Without Borders (EWB) Award: Lauren Nelson and Alena Annunziata

For the greatest contribution to the activities and objectives of the student chapter of EWB.

CEMS Outstanding Peer Mentor Award: Jack Thompson and Lauren Knopp

For sustained commitment and excellence in first year student mentoring.

Thank you to all who have supported our capstone projects:

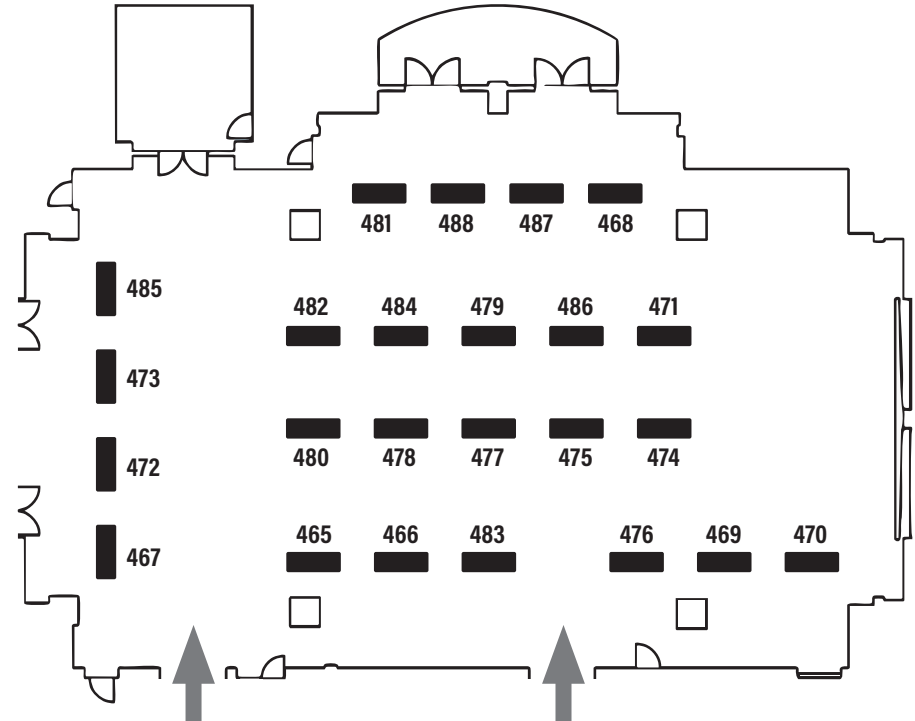
Andrew Zehner, Office of General Counsel
 Graham Sheriff, University Engineering Librarian
 James Catalan, CEMS Facilities Manager
 Kristiaan Finstad, CEMS Laboratory Safety Coordinator
 UVM Fab Lab Team
 Martin Ferrusca, Student worker who recieved all SEED packages
 Matthew Tetrault and Josh Linker, CEMS Prototype Facility

CEMS Staff - Brianna Belleville, Abba Weimer, Emily Cummings, Chris Dissinger, Jacob Leopold, Jennifer Main, Pattie McNatt, Ken Mitchell, Patrick Charron
 Jonathan White and Carter Belog, SEED Graduate Teaching Assistants
 Practicing professionals (Guest Speakers and Guest Engineers) who have generously contributed their time and talents to supporting our teams throughout the year.
 Faculty Mentors, Project Sponsors, and Community Partners.

Project Locator Map

Mechanical and Electrical Engineering Projects

Grand Maple Ballroom, UVM Dudley H. Davis Center

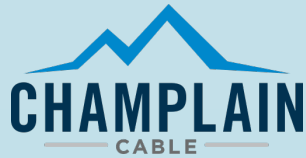


To Civil, Environmental, and Biomedical Engineering Projects

Located in the adjacent *Livak Fireplace Lounge*

Thank you to all of our amazing partners and sponsors:

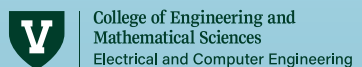
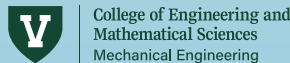
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College of Engineering and Mathematical Sciences

For more Information: go.uvm.edu/cems-design-night