

## About the Institute

The Cato T. Laurencin Institute for Regenerative Engineering fosters greater innovation in the field of regenerative engineering by strengthening established research endeavors and utilizing signature programs to enhance funding, research, and build the pipeline of students interested in careers in science and engineering.

## Program Director

Sir Professor Cato T. Laurencin,  
Chief Executive Officer  
The Cato T. Laurencin Institute  
for Regenerative Engineering  
University Professor  
Albert and Wilda Van Dusen Distinguished  
Professor of Orthopaedic Surgery  
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## Program Point of Contact

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### The Cato T. Laurencin Institute for Regenerative Engineering

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# UConn

THE CATO T. LAURENCIN  
INSTITUTE FOR  
REGENERATIVE ENGINEERING

## Master of Science (M.S.) in Regenerative Engineering

## Requirements

For admission to the [Master of Science in Regenerative Engineering program](#), students must have a total of 30 credit hours after the B.S., including 21 credits of advanced course work and successful completion of a thesis. Thesis research is equivalent to 9 credit hours. The thesis must be an original and significant contribution to the field of regenerative engineering and related science, and must be defended orally according to Graduate School requirements.

Bachelor degree in science or engineering is required from a regionally accredited college or university or present evidence of the equivalent. Student must meet the admission requirements of Graduate Degree Programs set by the university of Connecticut.



## Time to Complete

M.S. students typically complete their course load within two to three semesters and complete their thesis research by the end of their second year.



## Course of Study

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## Program Faculty

Distinguished existing School of Engineering faculty members develop and teach the courses, as well as advise the M.S. students in their thesis research.

## Final Examination

Final Examination is an oral examination (thesis defense) and is conducted based on thesis research. The decision as to whether the student passes the examination is based on a vote of the advisory committee.

## Degree Outcome

- Understand and solve regenerative engineering problems using advanced materials, stem cell sciences, statistical methods, and clinical translational methods
- Demonstrate research skills, integrate ideas with others, and apply the conventions of attribution and citation correctly
- Understand convergence aim at developing sustainable relationships that develop novel ways of framing related research questions and open new research vistas
- Formulate, and solve engineering problems in advanced manufacturing for regenerative engineering • Be able to identify and use appropriate tools in solving relevant engineering problems;
- Be able to follow and implement recent developments in the field of regenerative engineering



## How to Apply

Please visit:

[grad.uconn.edu/admissions/requirements](https://grad.uconn.edu/admissions/requirements)