Did you know?

- Did you graduate from UML engineering with a GPA over 3.0 within the past five years? We’ll waive the application fee and the GRE requirement!
- You can do a Master of Science in Mechanical Engineering full-time or part-time, with a thesis, project or coursework-only!
- A Masters degree program consists of 30 credits.
- Most of our courses are scheduled in the evenings - see ME course schedule.
- Doctoral programs - both PhD and D.Eng - are available in Mechanical Engineering.
- Teaching and/or Research Assistantships available for full-time grad students!
- We have externally funded research - over $8 million in research expenditures annually the college!
- Other Graduate options include the Masters in Education, MBA and new Masters in Innovation and Technological Entrepreneurship.

Fall 2009 Mechanical Graduate Course Offerings

Quality! - Courses are taught by well qualified full-time faculty or adjunct faculty from industry

Value! - $1678 tuition + fees per 3 credit on-campus course for Massachusetts residents

*Courses offered through Continuing Ed—$1485 tuition & fees per 3 credit course. Convenience! - We’re close to Boston

Sign up for a course for the fall as a non-matriculated student, or apply for the degree program

Mechanical Engineering Info:
Web: mechanical.uml.edu
Dept. Office: 978-934-2950

Graduate School Info:
www.uml.edu/grad
978-934-2390

Continuing Education Info:
continuinged.uml.edu
978-934-2474

Prof. John McKelliget
Department Chair
John_McKelliget@uml.edu

Prof. Majid Charmchi
Graduate Coordinator
Majid_Charmchi@uml.edu

Prof. John Duffy
Energy Eng. Grad Coordinator
John_Duffy@uml.edu
Mechanical Engineering

Courses are scheduled in the late afternoon and evening to provide study opportunities for students with full-time employment.

Fall 2009 Graduate Classes
All courses 6:00pm-8:50 pm unless noted in blue

<table>
<thead>
<tr>
<th>Day</th>
<th>Course Title</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>Monday</td>
<td>22.576.201 Engineering Project Management</td>
<td>Shina</td>
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<td></td>
<td>22.579.201 Robotics</td>
<td>Parkin</td>
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<td>22.583.201 Advanced Aerodynamics</td>
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<td>22.697.201 Structural Appl. of Composite Materials</td>
<td>Chen</td>
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<td>10.528.201 Advanced Transport Phenomena</td>
<td>Donatelli</td>
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<td>10.539/24.539 Math Methods for Engineers</td>
<td>White</td>
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<td>Tuesday</td>
<td>22.521.201 Solar Fundamentals (web-based course)</td>
<td>Duffy</td>
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<td>22.524.201 Fundamentals of Acoustics</td>
<td>Niezrecki</td>
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<td>26.514.201 Statistics for Six Sigma</td>
<td>Stacer</td>
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<td>Wednesday</td>
<td>92.530.201 Applied Math I</td>
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<td>22.513.201 Finite Element Analysis I</td>
<td>Goryczycka</td>
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<td>22.515.201 Modal Analysis</td>
<td>Avitabile</td>
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<td>25.550.201 Introduction to Nanotechnology</td>
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<td>TBA</td>
<td>22.504.201 Energy Workshop</td>
<td>Duffy</td>
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M.S. in Mechanical Engineering
Requirements: 30 credit hours which can include a 9 credit thesis or coursework only.
Concentration Areas:
- Mechanics & Materials
- Thermofluids
- Energy
- Vibration/Dynamics/Controls
- Manufacturing

M.S. in Energy Engineering (Renewable Energy Option)
Requirements: 30 credit hours including a 6 credit thesis; 33 credits with a 3 credit project or 36 credits for coursework only.

Graduate Certificate Programs (I = Interdisciplinary):
- Design and Manufacturing Engineering
- Microelectromechanical Systems/Nano electromechanical Systems (MEMS/NEMS)
- Structural Dynamic Modeling Techniques
- Composites and Materials
- Renewable Energy Engineering
- Biomedical Engineering I
- Energy Conversion I
- Integrated Engineering Systems I
- Nanotechnology I

D.Eng. and Ph.D. in Mechanical Engineering
Requirements:
- 63 credit hours of graduate level courses total
- 42 credit hours of graduate course work
- 21 credit hours of doctoral dissertation
- For the DEng degree, 9 of the 42 coursework credits are Management courses

Teaching & Research Assistantship Stipend/Waiver Information:
(for full year, double the amounts shown)

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<tr>
<th>Item</th>
<th>half-time</th>
<th>TA/RA per semester</th>
<th>full-time</th>
<th>TA/RA per semester</th>
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<td>in-state</td>
<td>$3252</td>
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<td>out-of-state &amp; foreign</td>
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<td>tuition &amp; fees waiver</td>
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Education Costs - Full time (9 credits) per semester:
In-state: $5034, Out of state: $9365
New England Regional & New England Proximity: $7380