Meet the Faculty:

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PhD, 1978, MIT
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Advanced Manufacturing
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Ph: 202-274-6601, Room 42-213 E

Dr. Kate Klein, Assistant Prof.
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Research: Nanomaterials Synthesis
& Characterization, Microscopy, In-
situ Experimentation, and
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Dr. Lara Thompson, Assistant Prof.
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Postural Control, Balance Aids &
Vestibular Prostheses, and
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Dr. Jiajun Xu, Assistant Prof.
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Systems, Micro/Nanoscale Heat
Transfer and Energy Conversion
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About UDC:
Chartered in 1974, the University of the District of
Columbia is the only fully-accredited public institution
of higher education in nation’s capital. UDC is located
in Northwest Washington DC at the red line Van-Ness
UDC Metro station. As an urban land-grant university,
it supports a broad mission of education, research, and
community service and offers bachelors and masters
degrees in the College of Arts and Sciences, School of
Business and Public Administration, School of
Engineering and Applied Sciences, and College of
Agriculture, Urban Sustainability and Environmental
Studies. The David A. School of Law at UDC is one of
the top law schools. Building on a 160-year record of
providing quality, affordable and accessible higher
education, the University currently meets 21st Century
academic needs with a superior education and a global
focus.

Why Mechanical Engineering at UDC?
⇒ UDC Mechanical Engineering is an ABET
   accredited program
⇒ Student-focused campus mission
⇒ Covers a wide range of ME topics
⇒ Average class size less than 15
⇒ Lower tuition fees compared to other schools
⇒ High success rate in FE examination
⇒ Convenient to Metropolitan DC Area residents
⇒ Research opportunities for undergraduates

Bachelor of Science in Mechanical Engineering

University of the District of Columbia
4200 Connecticut Av. NW, Washington DC 20008
Office of Admissions: www.udc.edu/admit
Tel: 202-274 6110, Email: UDCadmissions@udc.edu
Bachelor of Science in Mechanical Engineering

Mechanical Engineering (ME) advances industries such as aerospace, automobiles, energy production, biomedical, and robotics. Mechanical Engineering jobs offer higher salaries than most of the other engineering disciplines. The program for a Bachelor of Science in Mechanical Engineering at UDC prepares students for a variety of career opportunities through a unique combination of hands-on experience, state-of-the-art technologies, and inventive teaching methods.

A number of new faculty have joined the ME program at UDC to strengthen its core curriculum and foster new initiatives. The ME faculty at UDC are actively engaged in the innovative research in the areas of:

• Nanotechnology
• Renewable energy
• Biomedical engineering
• Advanced manufacturing

Our ME faculty also have strong collaborations with neighboring federal laboratories, industry, and other universities.

The program emphasizes hands-on learning and excellence in design. During first and second years, focus is placed on strengthening your math, science, and developing your basic engineering skills. In third and fourth year, focus is placed on core ME courses and technical electives.

Students in the ME program enjoy the unique opportunity to directly participate in research projects and build the skills needed for the workplace or graduate studies. Students work individually or in groups for their ME Senior Design Capstone projects. These projects are aimed at the design of new systems and products using state-of-the-art software, as well as building, analyzing, and testing the desired systems.

Our mechanical engineering program is accredited by the Engineering Accrediting Commission (EAC) of ABET. Major employers and graduate schools prefer graduates from ABET programs.

What makes UDC’s ME program different?
The Mechanical engineering program at UDC is designed with success of the individual student in mind. With smaller class size, students benefit from a personal teaching environment and individual attention.

How will my credit transfer?
Once you are enrolled, a ME faculty will evaluate your previous courses and academic record and let you know about transfer credits.

Can I speak to a current UDC student?
Of course! Contact us for a list of continuing and recently graduated students who would be happy to share their personal experiences with you.

Testimonial:
Being part of the mechanical engineering family at UDC I had some my best years of my life. The family atmosphere created by professors and students helps you to excel in your studies. I passed my FE exam in my final year and now putting my degree to use for betterment of society.

-George Shetty
Class of 2012

Dr. Devdas Shetty
Dean and Professor of Mechanical Engineering

CURRICULUM

Your 128-credit-hour program consists of:

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Basic Science and Mathematics</td>
<td>33</td>
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<tr>
<td>General Education Courses</td>
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<tr>
<td>General Engineering</td>
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<tr>
<td>Mechanical Engineering Core</td>
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<tr>
<td>Technical electives</td>
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<tr>
<td>Total</td>
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</tr>
</tbody>
</table>

Sample Courses Offered:

- Fluid Mechanics
- Energy Systems and Renewable Energy
- Materials Science
- Machine Design
- Mechatronics
- Design of Control Systems
- Senior Design Capstone Project