MECHANICAL ENGINEERING

A. James Clark School of Engineering
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Mechanical Engineering includes the study of the following areas:

- Design and Reliability of Systems,
- Electronic Products and Systems,
- Thermal, Fluid, and Energy Sciences, and

In addition, to the learning opportunities provided through a vibrant curriculum of undergraduate and graduate offerings, students are also provided extensive experiential learning opportunities through the Terps Racing Program (https://www.facebook.com/terpsracing) (link is external), Solar Decathlon (http://2011.solarteam.org) (link is external) and other competition teams, and undergraduate research experiences. Students are also provided opportunities to make a difference worldwide with programs such as Engineers without Borders (http://www.ewb.umd.edu) (link is external).

Faculty

**Chairs:** B. Balachandran, (Minta Martin Prof and Chair), H. Bruck, (Assoc Chair Academic Affairs, Dir Graduate Studies), D. DeVoe, (Assoc Chair Research and Admin)

**Director:** K. Kiger (Keystone Prof, Dir UG Studies)

**Professors:** S. Azarn, A. Bar-Cohen (Dist Univ Prof), A. Baz (Minta Martin Prof), P. Bernard, D. Bigio, A. Christou, A. Dasgupta (Jeong Kim Prof), J. Duncan (Keystone Prof), W. Fourney (Keystone Prof & Assoc Dean), A. Gupta, (Dist Univ Prof), B. Han (Keystone Prof), J. Hermann, J. Kim (Keystone Prof), T. Li (Keystone Prof), R. McCluskey, M. Modarres (Nicole J. Kim Prof, Director CRR), C.D. Mote, Jr. (Glenn L. Martin Inst Prof and Regents Prof), M. Ohadi, M. Pecht (George E. Dieter Prof & Dir CALCE), R. Rademacher (Minta Martin Prof, Dir CEE), P. Sandborn (Dir MTECH), L. Schmidt, E. Smela, J. Srebric, B. Yang, M. diMarzo, M. Yu

**Associate Professors:** S. Bergbreiter, N. Chopra, P. Chung, M. Cukier, G. Pertmer, A. Riaz, G. Zhang

**Assistant Professors:** A. Krieger, K. Groth, S. Das, M. Fuge, J-O. Hahn, J. Larsson, R. Sochol, M. Vaughn-Cooke

Lecturers: S. Arul (Lecturer), D. Burke (Lecturer), Z. Eshete (Lecturer), J. Forsythe (Lecturer), H. Haslach (Senior Lecturer), S. Mitchell (Lecturer), V. Nguyen (Res Assoc, Lecturer), R. Sanders (Senior Lecturer), D. Schug (Lecturer), C. Thamire (Senior Lecturer)

**Affiliate Professors:** E. Kalnay (Dist Univ Prof, Affiliate Prof), D. Lathrop (Prof, Affiliate Prof), E. Oran (Glenn L. Martin Inst. Prof, Affiliate Prof), D. Riley (Affiliate Prof, Prof), P. Sunderland (Assoc Prof, Affil Assoc Prof), A. Trouve (Prof, Lecturer), M. Zachariah (Affiliate Prof)

**Affiliate Associate Professors:** M. Gollner (Asst Prof, Aff Asst Prof), L. Hu (Assoc Prof), A. Marshall (Assoc Prof, Affil Assoc Prof), S. Stoliarov (Assoc Prof, Affl Assoc Prof)

**Affiliate Assistant Professor:** H. Xu (Aff Assoc Prof)

Adjunct Associate Professors: D. Barrett (Adjunct Assoc Prof), D. Findlay (Adjunct Assoc Prof), L. Hamilton (Lecturer, Adjunct Assoc Prof), V. Krivtsov (Adjunct Assoc Prof), G. Schultz

Professors Emeriti: D. Anand, R. Armstrong, B. Berger, F. Buckley, P. Cunniff, J. Dally (Glenn L. Martin Inst Prof), G. Dieter (Glenn L. Martin Inst Prof), D. Holloway, J. Kirk, E. Magrab, C. Marks, A. Mosleh, U. Piomelli (Prof Emeritus), R. Sanford, C. Sayre, J. Sengers (Dist Univ Prof Emeritus), M. Talaat, W. Walston (Assoc Prof Emeritus), J. Yang

Programs

**Major**

- Mechanical Engineering Major (https://academiccatalog.umd.edu/undergraduate-colleges-schools/engineering/mechanical-engineering/mechanical-engineering-major)

Minor


Advising

Mechanical engineering students are required to meet with a departmental adviser each semester prior to registering for the following term. Mechanical Engineering has a team of faculty and staff academic advisors. Please contact the department's Undergraduate Advising Office, 2182-2188 Glenn L. Martin Hall, at 301-405-2199, for more information or review resources including office hours and the appointment process, online at meugrad.umd.edu.

Opportunities

Co-op Programs

Participation in the Cooperative Education Program is encouraged. See Clark School of Engineering under Colleges and Schools on this site.

Honors Program

The Honors Program is administered through the Clark School of Engineering. Individual honors and awards are presented based on academic excellence and extracurricular activities.

Student Societies and Professional Organizations

Student chapters of professional societies include the American Society of Mechanical Engineers, the Society of Automotive Engineers, the Mechanical Contractors Association and the American Society of Heating, Refrigeration and Air Conditioning Engineers. The mechanical engineering honor society is Pi Tau Sigma. Information regarding these societies may be obtained at 2186 Glenn Martin Hall.

Scholarships and Financial Assistance

The Office of Student Financial Aid (OSFA) administers all types of federal, state and institutional financial assistance programs and, in cooperation with other university offices, participates in the awarding of scholarships to deserving students. For information, visit: www.financialaid.umd.edu.
A limited amount of scholarship aid is available through the Department of Mechanical Engineering. Information may be obtained in the Undergraduate Advising Office. Information about Clark School of Engineering scholarships and Department of Mechanical Engineering scholarships is also available on-line at http://www.engrscholarships.umd.edu/scholarships