

EMPLOYERS OF RECENT AES GRADUATES

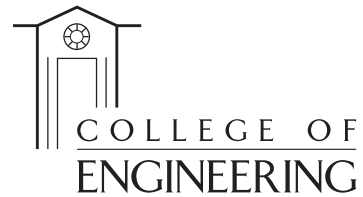
Accenture
Avnet, Inc.
Boeing
Consumers Energy
CoreComm
Crowe, Chizek and Company
DaimlerChrysler
DENSO Manufacturing
Detroit Diesel
Dow Chemical
Eaton Aerospace
EDS
Ford Motor Company
Frito-Lay
General Electric
General Mills
General Motors
Honeywell
IBM
Johnson & Johnson
Johnson Controls
Kraft Foods
Lear Corporation
Motorola, Inc.
Northrop Grumman
PepsiCo, Inc.
Pfizer Inc.
Procter & Gamble
Steelcase, Inc.
Stryker Medical
Texas Instruments
Toyota Motor Manufacturing
Union Pacific Railroad
Urban Science
Verizon



"The Engineer of 2020 report foresees an increasing need to integrate strong analytical capabilities, communication skills, business knowledge, and leadership. Our AES program equips students with the agility and flexibility required in the evolving new economy."*

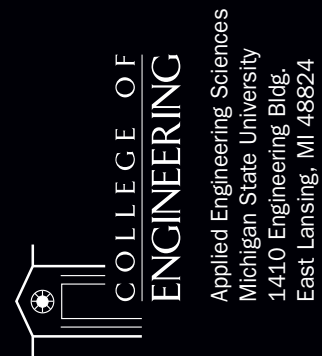
Thomas F. Wolff, PhD, PE
Associate Dean for Undergraduate Studies

*[See <http://www.nap.edu/catalog/10999.html>] National Academy of Engineering, *The Engineer of 2020: Visions of Engineering in the New Century* (Washington, DC: The National Academies Press, 2004).

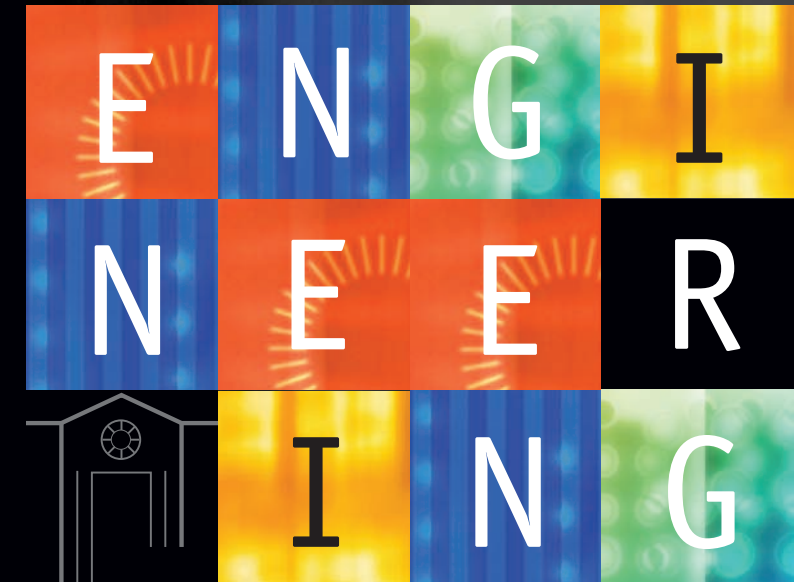


Les L. Leone, Program Director
Applied Engineering Sciences
Michigan State University
1410 Engineering Bldg. • East Lansing, MI 48824
Phone: (517) 355-5163 • Fax: (517) 432-1356
E-mail: leone@egr.msu.edu
Web site: www.egr.msu.edu/egr/programs/bachelors/aes.php

Elaine M. Johnson, Academic Adviser
Applied Engineering Sciences
Michigan State University
1415 Engineering Bldg. • East Lansing, MI 48824
Phone: (517) 355-6616 ext 1 • Fax: (517) 432-1356
E-mail: johns272@egr.msu.edu



applied engineering sciences



AT A GLANCE 2006-2007

MICHIGAN STATE
UNIVERSITY

APPLIED ENGINEERING SCIENCES

The Applied Engineering Sciences (AES) major is an undergraduate interdisciplinary program that combines scientific and technical coursework with a complementary cognate resulting in a Bachelor of Science degree awarded by the College of Engineering. The major provides educational opportunities for students who wish to gain a broad foundation in the engineering sciences, core engineering disciplines, and their application to one of the cognate areas. Cognates are available in Business-Supply Chain Management (27 credits) and Telecommunication (30 credits). On a space-available basis, an Information Technology specialization can be combined with either of the two cognates.

The program is designed to develop individuals who:

- Bring to the workplace a knowledge of business, management, and logistics, with a solid foundation in calculus, basic sciences, and engineering sciences
- Can apply the rigor of their education and training to a diverse set of problems
- Are prepared to work in the areas where planning, design, production, and procurement interface with marketing, distribution, sales, and management
- Can effectively communicate across diverse professional disciplines
- Are knowledgeable of contemporary technological and societal issues and can facilitate the effective deployment of new technologies

AES graduates are uniquely qualified to function in a variety of employment settings and bring engineering skills to diverse business settings.

"The Applied Engineering Sciences program gave me a cross-disciplinary foundation that allowed me to quickly excel in diverse corporate situations, including engineering, marketing, sales, finance, management, and legal functions."

Monte L. Falcoff
Patent and Trademark Attorney
Harness, Dickey, & Pierce

JOB TITLES OF RECENT AES GRADUATES

(The average starting salary for Applied Engineering Sciences graduates in 2006 was \$53,857.)

Account Executive
Accountant
After-Market Expediter
Analyst
Application Engineer
Commodity Manager
Consultant
Consumer Representative
Customer Account Rep.
Customer Service Rep.
Distribution Specialist
District Sales Engineer
District Service Manager
Expediter/Facilities Engineer
Field Technical Representative
Financial Analyst/Forecaster
Industrial Market Analyst
Logistics Engineer
Logistical Manager
Loss Prevention Engineer
Manufacturing Development Engineer
Materials Control Engineer
Operations Manager
Patent Attorney
Process Supervisor
Product Engineer
Production Supervisor
Procurement Specialist
Project Manager
Quality Assurance Engineer
Sourcing Specialist
Supply Chain Planner
Systems Application Engineer
Technical Sales Engineer
Technical Writer
Telecommunications Engineer
Test & Development Engineer
Value Analysis Engineer



SOCIETY OF APPLIED ENGINEERING SCIENCES

The Society of Applied Engineering Sciences (SAES) is an MSU student organization that promotes and fosters interest in the Applied Engineering Sciences major. The society informs engineering students of the opportunities available to them through the AES major and promotes their unique educational blend of technical/engineering knowledge with a non-technical specialization to prospective employers. The group sponsors activities that enable AES students to get to know each other and to become aware of industrial opportunities. Membership is open to applied engineering sciences and no-preference engineering majors of all class levels. For more information concerning the SAES, go to: <http://www.egr.msu.edu/saes/>

ENGINEERING COOPERATIVE EDUCATION

Cooperative Education provides students with an opportunity to gain major-related work experience while enrolled in the college. For information, contact the Cooperative Education Office in 1410 Engineering Building, (517) 355-5163 or visit www.egr.msu.edu/coop.



"MSU's AES program not only provided me with the engineering tools required at my current position, but also gave me a solid business base. I am very satisfied with my selection of the AES program at MSU."

Monica L. Braman
EW Systems Engineer, The Boeing Company



"In today's highly competitive environment it's imperative that employees understand how the different functional responsibilities within a business impact one another. The AES program at MSU is unique in its capability to provide this broad exposure for the students."

Chad McLelland
Corporate Account Manager, Siemens

