

Engineering

ACROSS DISCIPLINES. ACROSS THE WORLD.™

 Washington University in St. Louis

Engineering



>> Department of
Biomedical Engineering

>> Department of
Computer Science & Engineering

>> Department of Electrical
& Systems Engineering

>> Department of Energy,
Environmental & Chemical Engineering

>> Department of Mechanical,
Aerospace & Structural Engineering

>> The Sever Institute
of Continuing Studies

School of Engineering & Applied Science

Washington University in St. Louis
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St. Louis, Missouri 63130
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(314) 935-6350

DEAN

Salvatore P. Sutera, PhD

FOUNDED

1854

MISSION

The School of Engineering & Applied Science exists to serve society by discovering new knowledge and by preparing students for leadership roles in a global, technology-driven society.

Undergraduate Students: 1,003

Master's Students: 302

Doctoral Students: 328

Tenured/Tenure-track Faculty: 84

Alumni: 19,000

Research Expenditures (fyo8): \$21.3 million

PHD & MASTER OF SCIENCE DEGREE PROGRAMS

Aerospace Engineering
Biomedical Engineering
Computer Engineering
Computer Science
Electrical Engineering
Energy, Environmental &
Chemical Engineering
Mechanical Engineering
Structural Engineering
Systems Science & Mathematics

SEVER INSTITUTE OF CONTINUING STUDIES

Master of Construction Management
Master of Engineering Management
Master of Information Management
Master of Project Management
Graduate Certificate in Project Management

BACHELOR OF SCIENCE DEGREE PROGRAMS

Biomedical Engineering
Chemical Engineering
Computer Engineering
Computer Science
Electrical Engineering
Mechanical Engineering
Systems Engineering

INTERDISCIPLINARY RESEARCH THEMES

Advanced Materials
Alternative Energy, Environmental
Engineering & Sustainable Technology
Imaging & Sensing Technologies
Neural Engineering
Quantitative Systems Biology
Virtual Presence Technologies

CROSS SCHOOL INITIATIVES

Center for Computational Biology
Center for Biological Imaging
Center for Materials Innovation
Collaboration in Biomedical Informatics
Cognitive, Computational, & Systems
Neuroscience Pathway
Consortium for Clean Coal Utilization
Institute for Public Health
International Center for Advanced
Renewable Energy (I-CARES)
McDonnell Academy Global Energy &
Environment Partnership (MAGEEP)
National Nanotechnology Infrastructure
Network (NNIN)
Technology for International Social &
Economic Development

Master Plan for New Complex of Engineering Buildings

The School's master plan calls for approximately 600,000 square feet of new space. The new buildings will complement and connect to the existing Uncas A. Whitaker Hall for Biomedical Engineering, which was completed in 2002. In October 2008, ground was broken for the second building of the new engineering complex, the Stephen F. & Camilla T. Brauer Hall.

When the Stephen F. & Camilla T. Brauer Hall is completed in 2010, it will include:

- *Research laboratories for Energy, Environmental & Chemical Engineering, including laboratories for the International Center for Advanced Renewable Energy and Sustainability (I-CARES)*
- *Research laboratories for Biomedical Engineering*
- *Specialized research facilities – including instrumentation rooms – and imaging facilities*
- *Undergraduate instructional laboratories*
- *Specialized teaching facilities, including a state-of-the-art distance-learning classroom*
- *Dean's office*
- *Energy, Environmental & Chemical Engineering department office*
- *Faculty offices*
- *Collaboration spaces*

