DEPARTMENT CHAIR

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DEGREES OFFERED

Engineering Mechanics (EM)
Nuclear Engineering (NE)
Engineering Physics (EP)

NUCLEAR ENGINEERING

Undergraduate Ranking 2
Graduate Ranking 3

RESEARCH الخارجية

Research activities in the Department of Engineering Physics span a wide range of techniques and methods, many of which demonstrate an interdisciplinary approach. Among the department’s many major experimental facilities is the 1 megawatt nuclear reactor, which is used extensively in both research and teaching activities.

www.engr.wisc.edu/ep
INDICATORS OF QUALITY

NAMED PROFESSORSHIP 5
NATIONAL ACADEMY OF ENGINEERING 4
ACTIVE PATENTS 38
AVERAGE ANNUAL RESEARCH FUNDING $18.6M

AREAS OF EMPHASIS IN THE GRADUATE PROGRAM

NUCLEAR SYSTEMS ENGINEERING
Research in radiation transport and neutronics, materials science and engineering, and thermal-hydraulics, as well as risk analysis and systems integration studies for fission reactors, fusion systems, and medical applications of nuclear technology.

PLASMA SCIENCE AND ENGINEERING
Emphasizes high temperature plasmas for fusion energy applications (both magnetic and inertial), low temperature plasmas for industrial applications, such as plasma processing and plasma aided manufacturing, and basic plasma physics.

MECHANICS OF MATERIALS
Emphasizes the study of force, stress, deformation, and motion as applied to engineering materials, structures, and fluids. Research includes shape memory alloys, nano-structured films, biomaterials, bone and soft tissue, geo-materials, space structures, viscoelastic liquids, and fiber-reinforced composites.

FINANCIAL AID

UG SCHOLARS 39
GRAD FELLOWS 9
MS / PhD 19 TAs 91 RAs

GRADUATES (ACADEMIC YEAR 2016-17)

EM BS—56 MS—6 PhD—1
NE BS—28 MS—19 PhD—10
EP BS—0

NE Undergrads: $57,000
EM Undergrads: $60,795
EM MS Students: $69,282
EM PhD Students: $95,000

AVERAGE YEARLY SALARIES