### DEGREES OFFERED
- Engineering Mechanics (EM)
- Nuclear Engineering (NE)
- Engineering Physics (EP)
- Nuclear Engineering and Engineering Physics (NEEP)

### INDICATORS OF QUALITY
- NE ranks in Top 5 National Academy of Engineering: 4
- Wisconsin Distinguished Professors: 1
- Named Professorships: 7
- Active Patents: 38

### ENROLLMENT (Fall 2018)
- **EM**
  - BS—203
  - Grad—16
- **NE**
  - BS—81
  - NEEP: Grad—89
- **EP**
  - BS—32

### GRADUATES (2017-18 academic year)
- **EM**
  - BS—46
  - MS—8
  - PhD—1
- **NE**
  - BS—19
  - NEEP: MS—19
  - PhD—8
- **EP**
  - BS—3

### FINANCIAL AID
- 40 UG scholars, 9 Grad fellows
- MS/PhD: 18 TA’s, 82 RA’s

### FACULTY
- 13 Professors
- 2 Associate Professors
- 6 Assistant Professors
- 17 Affiliate Professors
- 1 Research Professor

### ACADEMIC STAFF
- 5 Lecturers and Researchers
- 9 Assistant Scientists
- 7 Associate Scientists
- 3 Senior Scientists
- 1 Distinguished Scientist

### RESEARCH INTERNS
- 8 Postdoctoral Researchers

### RESEARCH FUNDING
- Over $20,700,000 in 2017-18

### 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.

#### 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, visco-elastic liquids, and fiber-reinforced composites.

#### PLASMA SCIENCE & 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.

### RESEARCH CENTERS & FACILITIES
- Applied Superconductivity Center
- Center for Human Performance and Risk Analysis
- Center for Mathematical Sciences
- Center for Plasma Aided Manufacturing
- Center for Plasma Theory and Computation
- Fusion Technology Institute
- Institute for Nuclear Energy Systems
- Materials Research Science and Engineering Center
- Materials Science Center
- Materials Science Program
- Max Carbon Radiation Science Center/1 MW TRIGA Type Nuclear Reactor
- Mechanics & Materials Research Group
- Pegasus Plasma Experiment
- Wisconsin Institute of Nuclear Systems
- Wisconsin Plasma Processing and Technology Research Consortium
- Wisconsin Shock Tube
- Wisconsin Structures and Materials Testing Laboratory