

# NUCLEAR ENGINEERING AND ENGINEERING PHYSICS

The Department of Nuclear Engineering & Engineering Physics (NEEP) within the University of Wisconsin–Madison College of Engineering is the home of two undergraduate degree programs (nuclear engineering, including an option in radiation sciences; and engineering physics) and one graduate degree program (nuclear engineering and engineering physics). The department's faculty conducts research in the areas of nuclear systems, and plasma physics and fusion energy science. This combination of topics fosters synergies with respect to neutronics, nuclear materials, fluid dynamics, and computation. The graduate nuclear engineering program has been ranked in the top four, nationally, by *U.S. News and World Report* in each of the past ten years.

## DEGREES/MAJORS/CERTIFICATES

- Engineering for Energy Sustainability, Certificate (<http://guide.wisc.edu/undergraduate/engineering/nuclear-engineering-engineering-physics/engineering-energy-sustainability-certificate/>)
- Engineering Physics, B.S. (<http://guide.wisc.edu/undergraduate/engineering/nuclear-engineering-engineering-physics/engineering-physics-bs/>)
- Nuclear Engineering Materials, Certificate (<http://guide.wisc.edu/undergraduate/engineering/nuclear-engineering-engineering-physics/nuclear-engineering-materials-certificate/>)
- Nuclear Engineering, B.S. (<http://guide.wisc.edu/undergraduate/engineering/nuclear-engineering-engineering-physics/nuclear-engineering-bs/>)

## PEOPLE

### PROFESSORS

Paul Wilson (Chair)  
Wendy Crone  
Chris Hegna  
Oliver Schmitz  
Carl Sovinec  
Kumar Sridharan

### ASSOCIATE PROFESSORS

Adrien Couet

### ASSISTANT PROFESSORS

Stephanie Diem  
Juliana Pacheco Duarte  
Benedikt Geiger  
Ben Lindley  
Yongfeng Zhang

See also Nuclear Engineering & Engineering Physics Faculty Directory (<https://directory.engr.wisc.edu/neep/faculty/>).

## RESOURCES AND SCHOLARSHIPS

### FACILITIES

Facilities available for instruction and research include:

Fluid Mechanics and Heat Transfer Laboratories  
Instructional Computing Labs (in Computer Aided Engineering)  
Nanomechanics Laboratory  
Nuclear Instrumentation Laboratory  
Plasma Physics Laboratories  
Superconductivity and Cryogenics Laboratories

### SCHOLARSHIPS

The Department of Nuclear Engineering & Engineering Physics and the College of Engineering have several types of scholarships available to incoming and current engineering students. Students should explore the Wisconsin Scholarship Hub (WiSH), where you can apply to and find specific information on scholarships at UW–Madison. You can use WiSH to find engineering scholarships available through the College of Engineering; the Inclusion, Equity, and Diversity in Engineering Student Center; the Nuclear Engineering & Engineering Physics Department; and other UW and external organizations. (Please note: students must be currently enrolled in, or have applied to, the College of Engineering to be considered for engineering scholarships.) To be matched with these available scholarship funds an application is required and the system is typically open to students in the spring of each year. Questions on the process can be directed to: [coescholarships@engr.wisc.edu](mailto:coescholarships@engr.wisc.edu). Additional financial assistance may be awarded through the Office of Student Financial Aid (333 E. Campus Mall RM 9701, 262-3060).