BRIEF HISTORY OF NERS

1952
Graduate program in Nuclear Engineering created

1958
Nuclear Engineering established

1965
Undergraduate program created

1995
Name changed to Nuclear Engineering & Radiological Sciences

2017
NEL Opening

FACULTY

29 tenured, tenure track faculty (9/1/19)
- 2 assistants (1 joint appointment)
- 4 associates
- 21 full professors (1 joint appointment)

17 faculty hired since 2006

14 research scientists
- 6 assistants
- 4 associates
- 1 full + 1 full adjunct

8 emeritus faculty, 14 adjunct faculty, and 12 postdoctoral fellows

2 National Academy of Engineering Members
2 E.O. Lawrence Award Winners
4 ANS Arthur Holly Compton Awardees
1 Vannevar Bush Award
1 National Medal of Technology

STUDENTS

DEGREES OFFERED
- Nuclear Engineering & Radiological Sciences | BSE, MS, MSE, PhD

DEGREES GRANTED (09/01/18 - 08/31/19)
- 39 BSE (22 NERS, 17 Engineering Physics)
- 19 MS/MSE (9 continuing PhD program)
- 19 PhD degrees

173 graduate student research assistants
8 DOE fellowships
3 internal fellowships
5 graduate student instructors
3 NSF fellowships
19 other fellowships
(GEM, NRC, NPSC, NANT, SMART, ANS, CVT, MTV)

INSTRUCTIONAL and RESEARCH AREAS

Fission systems, radiation transport, thermal hydraulics multiphase flow • Plasma physics and fusion • Materials • Measurements, nuclear nonproliferation • Climate Change

MAJOR NATIONAL RESEARCH LEADERSHIP

Consortium for Advanced Simulation of Light Water Reactors (CASL)
Consortium for Verification Technology (CVT)
Consortium for Monitoring, Technology and Verification (MTV)
Fastest Path to Zero
Simulating Neutrons with Accelerated Particles (SNAP)

RESEARCH EXPENDITURES

$25M Fiscal 2019 External Sponsored and Internal Research

LABORATORIES
- Detection for Nuclear Nonproliferation Laboratory
- Experimental and Computational Multiphase Flow Lab (ECMF)
- High Field Science Laboratories (CUOS)
- High Temperature Corrosion Laboratory (HTCL)
- Irradiated Materials Testing Complex (IMTL)
- Materials Preparation Laboratory
- MCASL Center
- Metastable Materials Laboratory
- Michigan Ion Beam Laboratory (MIBL)
- Neutron Science Laboratory (NSL)
- Plasma, Pulsed Power, and Microwave Laboratory
- Plasma Science and Technology Laboratory
- Position Sensing Semiconductor Radiation Detector Lab
- Radiation Detection Laboratory
- Radiation Effects and Nanomaterials Laboratory
- Radiation Imaging Laboratory
- Radiological Health Engineering Laboratory

CONTACT INFORMATION

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