NUCLEAR AND RADIOLOGICAL ENGINEERING MINOR

Established in 1910, the Herbert Wertheim College of Engineering is the largest professional school, the second-largest college and one of the three largest research units at the University of Florida. The curricula is designed to produce highly skilled engineers and provide each student with a broad range of degree and career choices.

Contact
312 Weil Hall
1949 Stadium Road or
P.O. Box 116550
University of Florida
Gainesville, FL 32611-6550
352.392.2177

Map (http://campusmap.ufl.edu/?loc=0024) More Info (http://www.eng.ufl.edu/)

Academic Advising and Career Coaching
Center for Student Excellence
204 Weil Hall
352.392.0944

About this Program
• College: Herbert Wertheim College of Engineering (http://catalog.ufl.edu/UGRD/colleges-schools/UGENG/)
• Credits: 17 minimum, plus 7 credits of prerequisites

Department Information
The Department of Materials Science and Engineering strives to serve the scientific and engineering community of the state and nation by providing quality education in the field, conducting basic and applied research to enhance science in the field, and supplying short courses, technology transfer, industrial consulting, and distance learning to promote engineering in the field.
Website (https://mse.ufl.edu/)

CONTACT
Email (mkt@warrington.ufl.edu) | 352.846.3300 (tel) | 352.392.7219 (fax)

P.O. Box 116400
549 Gale Lemerand Drive
RHINES HALL
GAINESVILLE FL 32611-6400
Map (http://campusmap.ufl.edu/#/index/0184)

Curriculum
• /UGRD/colleges-schools/UGENG/NRA_BS/
• Advanced Engineering Ceramics Certificate
• Biomaterials Certificate
• Combination Degrees
• Materials Science and Engineering
• Materials Science and Engineering Minor
• Metallurgical Engineering Certificate
• Nuclear and Radiological Engineering Minor
• Nuclear Engineering
• Nuclear Radiation and Reactor Analysis Certificate
• Nuclear Thermal Systems Analysis Certificate
• Polymer Science and Engineering Certificate
• Semiconductor Materials Certificate
# Prerequisites

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<tr>
<td>EML 3007</td>
<td>Elements of Thermodynamics and Heat Transfer</td>
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<td>or EML 3100</td>
<td>Thermodynamics</td>
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<tr>
<td>ENU 4001</td>
<td>Nuclear Engineering Analysis 1</td>
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**Total Credits**: 7

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# Required Courses

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<td>EGN 3353C</td>
<td>Fluid Mechanics</td>
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<td>ENU 4103</td>
<td>Reactor Analysis and Computation 1: Statics</td>
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<td>ENU 4144</td>
<td>Nuclear Power Plant Reactor Systems 1</td>
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<td>ENU 4605</td>
<td>Radiation Interactions and Sources 1</td>
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<td>ENU 4612</td>
<td>Nuclear Radiation Detection and Instrumentation</td>
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**Total Credits**: 17

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# Suggested Additional Electives

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<td>Reactor Analysis and Computation 2</td>
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<td>ENU 4134</td>
<td>Reactor Thermal Hydraulics</td>
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<td>ENU 4145</td>
<td>Risk Assessment for Radiation Systems</td>
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<tr>
<td>ENU 4606</td>
<td>Radiation Interactions and Sources 2</td>
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<td>ENU 5186</td>
<td>Nuclear Fuel Cycles</td>
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