Physics (MS)

Degree Requirements
Non-Thesis Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Letter-Graded Courses</td>
<td>24-30</td>
</tr>
<tr>
<td></td>
<td>Select a minimum of six 500-level / 700-level graded courses*</td>
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<tr>
<td></td>
<td>Department Qualifying Exam</td>
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<td>Students must pass the Department Qualifying Exam</td>
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<td>Total Hours</td>
<td>30</td>
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</tbody>
</table>

* Excludes: PY 501 Quantum Physics I, PY 511 Mechanics I, and PY 514 Electromagnetism I.

Thesis Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>Research Course</td>
<td>0-6</td>
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<tr>
<td></td>
<td>PY 695 Master's Thesis Research (Optional)</td>
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<tr>
<td></td>
<td>Graduate Minor Courses</td>
<td>18-24</td>
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<tr>
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<td>Select minor option below</td>
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<td>Total Hours</td>
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Minor Options

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>Requirements with Minor</td>
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<tr>
<td></td>
<td>Select 15 graduate credit hours in Physics</td>
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<tr>
<td></td>
<td>Select nine credit hours outside the department</td>
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<td></td>
<td>Total Hours</td>
<td>24</td>
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1 Cannot include PY 501 Quantum Physics I, PY 502 Quantum Physics II, PY 512 Mechanics II, PY 515 Electromagnetism II

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>Requirements without a Minor</td>
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<tr>
<td></td>
<td>Select 18 graduate credit hours minimum in Physics</td>
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<tr>
<td></td>
<td>Total Hours</td>
<td>18</td>
</tr>
</tbody>
</table>

1 Cannot include PY 501 Quantum Physics I, PY 511 Mechanics I, PY 514 Electromagnetism I

Faculty

Full Professors

Harald Ade
David E. Aspnes
Robert J. Beichner
Jerzy Bernholc
John Michael Blondin
John D. Brown
Laura I. Clarke
Karen E. Daniels
William L. Ditto
Daniel B. Dougherty
Robert Golub
Kenan Gundogdu
Hans D. Hallen
Paul R. Huffman
Chueng Ryong Ji
Jacqueline Krim
Gail C. McLaughlin
Lubos Mitas
Robert Riehn
Christopher M. Roland
Maria C. Sagui
Thomas M. Schaefer
John E. Thomas
Mithat Unsal
Keith R. Weninger
Albert R. Young

Associate Professors

Carla Frohlich
Alexander Kemper
James P. Kneller
Shuang Fang Lim
Richard Leigh Longland
Hong Wang

Assistant Professors

Julio Monti Belmonte
Rongmon Bordoloi
Mary Williard Elting
Matthew Piron Green
Sebastian Konig
Divine Philip Kumah
Sharonda Leblanc
Katherine Jean Mack
Vladimir Skokov
Dali Sun

Practice/Research/Teaching Professors
Jason Russell Bochinski
Kazimierz Borkowski
Abay Dinku
Brand Irving Fortner
Keith Heyward
Parminder Kaur
John H. Kelley
Hayen Leendert
Kent Leung
Wenchang Lu
Vijaya Mehta
Zodiac T. Webster

Emeritus Faculty
Ruth W. Chabay
Kwong T. Chung
Raymond E. Fornes
David G. Haase
James W. Cook Jr.
Stephen R. Cotanch
William Robert Davis
Donald C. Ellison
Raymond Earl Fornes
Christopher Robert Gould
Karen L. Johnston
Gerald H. Katzin
Fred Lado Jr.
Gary E. Mitchell
George W. Parker III
Richard R. Patty
Stephen Reynolds