Applied Physical Science M.S.A.P.S (Professional Science Master)

Degree Requirements: 36 Credit Hours

Admission

Students are selected for the Master of Science in Applied Physical Science degree program on a competitive basis. Meeting minimum requirements does not guarantee admission.

Admission Requirements

Regular

1. B.S. or B.A. degree in chemistry, physics, or related degree from an appropriate regionally accredited college or university, or an equivalent degree from a recognized foreign college or university. Official TOEFL scores (not more than two years old) required for international students.
2. An overall minimum cumulative GPA of 2.75 on a 4.0 scale or at the discretion of the graduate admission committee.
3. Official GRE Report showing competitive subtest scores by the start of the first semester of graduate courses.
4. Two Letters of Recommendation from individuals familiar with the applicant's potential to complete successful graduate work.
5. Applicant’s Statement of Purpose & Research Experience, which must address
   a. the student's preparation and research experiences for graduate study,
   b. the student's goals for the graduate program, potential concentration area, and possible advisor (for thesis option), and
   c. the student's professional goals following completion of the M.S.A.P.S. program
6. The applicant must have the appropriate undergraduate preparation for the area of concentration. This requires meeting the general M.S.A.P.S. requirements and the prerequisites listed for the particular concentration area.

Provisional

Applicants who do not meet the admission requirements may be admitted provisionally. To be converted to regular status, provisional students must take any appropriate undergraduate courses as recommended by the graduate committee and must earn a “B” or higher in their first nine (9) credits of coursework approved by the graduate director.

Non-Degree

Non-degree students are accepted on an individual basis as space is available. Applicants must have a minimum cumulative GPA of 2.75 on a 4.0 scale and submit a Statement of Purpose and Research Experience.

Grades

Students are required to maintain a cumulative GPA of at least 3.0 to remain in good academic standing and to be eligible to graduate. In the event the cumulative GPA falls below 3.0, the student will be placed on academic probation. Students have nine (9) credits to elevate the cumulative GPA to at least 3.0 or will be excluded from the program. Students earning grades of “F” will also be excluded from the program.

Program Concentrations

The Master of Science in Applied Physical Science degree program provides concentrations in Environmental Science, Pharmaceutical Science, or Materials and Coatings Science.

A maximum of twelve (12) credits at the 5000 level are allowed for the Master of Science in Applied Physical Science degree.

Environmental Science Concentration

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 6130 Industrial Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 6230 Scientific Inquiry and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 6730 Master of Science in Physical Science Internship</td>
<td>3</td>
</tr>
<tr>
<td>or PHYS 6730 Master of Science in Physical Science Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3

| CISM/MGNT 7431 Project Management |            |
| MKTG 7431 Strategic Marketing Management | |
| PUBH 6534 Health Policy and Management | |
| or substitution approved by Program Director | |

Select one of the following: 3

| BUSA 7130 International Business | |
| BUSA 7530 Global Business Strategy | |
| MGNT 7330 Leadership and Motivation | |
| or substitution approved by Program Director | |

Select two of the following: 6

| ACCT 7134 Financial Reporting and Analysis | |
| CHEM 6530 Professional Science Communication | |
| PUBH 6541 Biostatistics | |
| STAT 5531G Statistical Methods I | |

Concentration Requirements

Concentration Elective courses at or above the 5000 level - as contracted with the faculty advisor and degree coordinator

| CHEM 5110G Environmental Chemistry | |

Total Credit Hours 36

Pharmaceutical Science Concentration

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Select one of the following: 3

| CISM/MGNT 7431 Project Management |            |
| MKTG 7431 Strategic Marketing Management | |
| PUBH 6534 Health Policy and Management | |
| or substitution approved by Program Director | |

Select one of the following: 3

| BUSA 7130 International Business | |
| BUSA 7530 Global Business Strategy | |
| MGNT 7330 Leadership and Motivation | |
| or substitution approved by Program Director | |
Applied Physical Science M.S.A.P.S (Professional Science Master)

BUSA 7530  Global Business Strategy
MGNT 7330  Leadership and Motivation

or substitution approved by Program Director

Select two of the following: 6
ACCT 7134  Financial Reporting and Analysis
CHEM 6530  Professional Science Communication
PUBH 6541  Biostatistics
STAT 5531G  Statistical Methods I

Concentration Requirements
PHYS 7330  Principles and Practice of Pre-clinical Drug Development 3

Concentration Elective courses at or above the 5000 level - as contracted with the faculty advisor and degree coordinator 12

Total Credit Hours 36

Material and Coatings Science Concentration

Credit Hours

Core Requirements
CHEM 6130  Industrial Science 3
CHEM 6230  Scientific Inquiry and Ethics 3
CHEM 6730  Master of Science in Physical Science Internship 3
or PHYS 6730  Master of Science in Physical Science Internship

Select one of the following: 3
CISM/MGNT 7431  Project Management
MKTG 7431  Strategic Marketing Management
PUBH 6534  Health Policy and Management
or substitution approved by Program Director

Select two of the following: 6
BUSA 7130  International Business
BUSA 7530  Global Business Strategy
MGNT 7330  Leadership and Motivation
or substitution approved by Program Director

Select one of the following: 3
ACCT 7134  Financial Reporting and Analysis
CHEM 6530  Professional Science Communication
PUBH 6541  Biostatistics
STAT 5531G  Statistical Methods I

Concentration Requirements
PHYS/CHEM 6131  Solid State Materials 3

Concentration Elective courses at or above the 5000 level - as contracted with the faculty advisor and degree coordinator 12

Total Credit Hours 36

Advisement

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