BIOSYSTEMS ENGINEERING, PHD

Requirements for Students Matriculating in or before Academic Year 2022-2023. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

Total Hours: 60

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>BAE 5501</td>
<td>Seminar</td>
<td>1</td>
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<tr>
<td>BAE 6101</td>
<td>Teaching Practicum in Biosystems Engineering</td>
<td>1</td>
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<td></td>
<td>Advanced Math (if advanced math was not completed in Master's program)</td>
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Hours Subtotal 5

Specialization and Dissertation
Combination of Dissertation and Specialization to total 55 hours. 55

Core Courses (By Specialty Area)

Machine Systems
- BAE 5413 Advanced Data Acquisition and Control

Environment and Natural Resources
- BAE 6313 Stochastic Methods in Hydrology 1
- BAE 6333 Fluvial Hydraulics 2
- BAE 6343 Ground Water Contaminant Transport 3
- BAE 6520 Problems in Soil and Water Engineering 4

Bioprocessing and Biotechnology
- BAE 5213 Renewable Energy Engineering
- BAE 5283 Advanced Bioprocess Engineering
- BAE 5413 Advanced Data Acquisition and Control

Research and Additional Requirements
- CHE 5123 Advanced Chemical Reaction Engineering
- CHE 5373 Process Simulation
- CHE 5743 Chemical Engineering Process Modeling
- STAT 5303 Experimental Designs

BAE 6000 Doctoral Research and Dissertation

Hours Subtotal 55

Total Hours 60

1 Prerequisites: BAE 4313 or CIVEN 5843 and STAT 4053.
2 Prerequisites: ENGSC 3233 or equivalent.
3 Prerequisites: AGRON 5583 or CIVEN 5913.
4 Prerequisites: CHEM 1515, BAE 4313 or equivalent.

Graduate College Doctor of Philosophy (PhD) Requirements

Learn more about Graduate College 2022-2023 Doctor of Philosophy (PhD) Degree Program Requirements (http://catalog.okstate.edu/graduate-college/). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.