BIOSYSTEMS ENGINEERING, PHD

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

Total Hours: 60

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>BAE 5501</td>
<td>Seminar</td>
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<td>BAE 6101</td>
<td>Teaching Practicum in Biosystems Engineering</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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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
CHE 5123 Advanced Chemical Reaction Engineering
CHE 5373 Process Simulation
CHE 5743 Chemical Engineering Process Modeling
STAT 5303 Experimental Designs

Research and Additional Requirements
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 2023-2024 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.