BIOSYSTEMS ENGINEERING, PHD

Requirements for Students Matriculating in or before Academic Year 2024-2025. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

Total Hours: 60

Code	Title	Hours
Required Courses		
BAE 5501	Seminar	1
BAE 6101	Teaching Practicum in Biosystems Engineering	1
Advanced Math (if advanced math was not completed in Master's program)		3
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	
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 2024-2025 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.