

# James Worth Bagley College of Engineering

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## Degree and Certificate Programs

Department	Degree and Major	Concentration	Thesis	Non-Thesis	Starkville	Meridian	Distance
Aerospace Engineering	Master of Science - Aerospace Engineering		X	X	X		X
Aerospace Engineering	Doctor of Philosophy - Engineering	Aerospace Engineering			X		X
Agricultural & Biological Engineering	Master of Science - Biological Engineering		X		X		
Agricultural & Biological Engineering	Master of Science - Biomedical Engineering		X		X		
Agricultural & Biological Engineering	Doctor of Philosophy - Engineering	Biological Engineering			X		
Agricultural & Biological Engineering	Doctor of Philosophy - Biomedical Engineering				X		
Dave C. Swalm School of Chemical Engineering	Master of Science - Chemical Engineering		X	X	X		
Dave C. Swalm School of Chemical Engineering	Doctor of Philosophy - Engineering	Chemical Engineering			X		
Civil & Environmental Engineering	Master of Science - Civil Engineering		X	X	X		X
Civil & Environmental Engineering	Doctor of Philosophy - Engineering	Civil Engineering			X		X
Computer Science & Engineering	Master of Science - Computer Science		X	X	X		X
Computer Science & Engineering	Doctor of Philosophy - Computer Science				X		

Electrical & Computer Engineering	Master of Science - Electrical and Computer Engineering		X	X	X		X
Electrical & Computer Engineering	Doctor of Philosophy - Electrical and Computer Engineering				X		X
Industrial & Systems Engineering	Master of Science - Industrial Engineering	Human Factors & Ergonomics	X	X	X		X
Industrial & Systems Engineering	Master of Science - Industrial Engineering	Industrial Systems	X	X	X		X
Industrial & Systems Engineering	Master of Science - Industrial Engineering	Management Systems	X	X	X		X
Industrial & Systems Engineering	Master of Science - Industrial Engineering	Manufacturing Systems	X	X	X		X
Industrial & Systems Engineering	Master of Science - Industrial Engineering	Operations Research	X	X	X		X
Industrial & Systems Engineering	Doctor of Philosophy - Industrial and Systems Engineering				X		X
Mechanical Engineering	Master of Science - Mechanical Engineering		X	X	X		X
Mechanical Engineering	Doctor of Philosophy - Engineering	Mechanical Engineering			X		X
Interdisciplinary Curricula	Master of Engineering - Engineering			X			X
Interdisciplinary Curricula	Master of Science - Computational Engineering		X	X	X		X
Interdisciplinary Curricula	Doctor of Philosophy - Computational Engineering				X		X
Interdisciplinary Curricula	Doctor of Philosophy - Engineering	Applied Physics			X		

## Certificate Programs

- Automotive Engineering
- Computational Biology
- Information Assurance Professional Certificate
- Manufacturing
- Materials Engineering

**The Bagley College of Engineering** was created at MSU in 1902 as the School of Engineering. Named for MSU alumnus James Worth Bagley (EE, B.S. 1961; M.S. 1966) in 2002, the Bagley College of Engineering (BCoE) ranks in the top 100 (80th) engineering graduate programs and is listed in the

*U.S. News & World Report-America's Best Graduate Schools.* BCoE Online programs are ranked 20<sup>th</sup> nationally by USNWR. In fall 2014, graduate enrollment totaled 588 (255 M.S.; 333 Ph.D.). In support of its strategic plan, the BCoE seeks to increase doctoral enrollment and direct-admits qualified B.S. graduates to doctoral programs. The College is comprised of eight academic departments and offers 11 master's degrees and 11 doctoral degrees. Excellence in research is a high priority for BCoE faculty. The College is comprised of tenure-track faculty members and research faculty who also play an active role in both teaching and research for graduate students. BCoE ranks 51<sup>st</sup> among colleges of engineering in NSF-national rankings by research and development expenditures in FY 11-12 (excludes Computer Science). With several state-of-the-art research centers and laboratories to provide hands-on experience for master's and doctoral students, excellence extends beyond the classroom offerings. Information on BCoE research centers and laboratories may be accessed under General Information—Centers and Institutes in this publication. The BCoE Strategic Plan also focuses on the placement of BCoE Engineering graduates with major multinational companies and top research universities. BCoE is committed to a diverse student study body and seeks to enrich graduate education by providing a multiplicity of views and perspectives that enhance research, teaching, and the development of new knowledge. Additional information about the Bagley College of Engineering is available at <http://www.bagley.msstate.edu> .