

Mississippi State University

Summer 2022

Course List

ASE 6163	Intro to Flight Test Eng	Mon – Fri	1:00pm – 2:50pm
CE 8423	Geotech Earthquake Engr	Mon / Wed	4:00pm – 6:15pm
GE 6513	Engr. Writ. and Pres.	Mon / Wed	10:00am – 12:20pm
GE 8003	MENG Capstone	TBA	TBA
GE 8311	MIL MENG Disaster Relief	TBA	TBA
GE 8321	MIL MENG Bridge Assessment	TBA	TBA
GE 8331	MIL MENG Intermodal Trans Sys	TBA	TBA
IE 6333	Prod Control Sys I	TBA	TBA
IE 6543	Logistics Engineering	Mon – Fri	10:00am – 11:50am
IE 6613	Eng Statistics I	Mon – Fri	8:00am – 9:50am
IE 6653	Ind Qual Control I	TBA	TBA
IE 6733	Linear Programming I	Mon – Fri	3:00pm – 4:50pm
IE 6753	Systems Engr & Analysis	Mon – Fri	1:00pm – 2:50pm
IE 6990	Special Topics in IE - Data Science in the Sport Eco System	TBA	TBA

Course Descriptions

ASE 6163	Intro to Flight Test Eng Instructor: Calvin Walker (Section 551) (Prerequisite: ASE 3313, ASE 4123). Three hours lecture. Introduction to the techniques of aeronautical flight test engineering. Supplements Aerospace curriculum Pitot/static systems, and introduces fixed-wing flight test engineering, data reduction, certification, flight-test risk assessment/mitigation, and flight crew-station analysis procedures. <i>Course Dates: 07/06/2022 - 08/04/2022</i>	Mon - Fri	1:00pm - 2:50pm
CE 8423	Geotech Earthquake Engr Instructor: Staff (Section 501) (Prerequisite: Consent of Major Advisor). Three hours lecture. Dynamic soil properties, seismic site response analysis, and evaluation of soil liquefaction, seismic stability of dams and embankments, seismic aspects of foundation design. <i>Course Dates: 06/02/2022 - 08/04/2022</i>	Mon / Wed	4:00pm - 6:15pm

GE 6513	Engr. Writ. and Pres. Instructor: Amy Barton (Section 501) (Prerequisite: Graduate standing in an engineering discipline). Three hours lecture. Instruction in writing and presenting for engineering graduate students. Writing/presenting principles and strategies as applied to manuscripts, thesis/dissertation chapters, presentation delivery/slides, and posters. <i>Course Dates: 06/02/2022 - 08/04/2022</i>	Mon / Wed	10:00am - 12:20pm
GE 8003	MENG Capstone Instructor: Kari Reeves (P) / Tamra Swann (Section 501) Three hours lecture. An individualized professional project course open only to candidates for the Master of Engineering. Formal written paper and presentation are required. <i>Course Dates: 06/02/2022 - 08/04/2022</i>	TBA	TBA
GE 8311	MIL MENG Disaster Relief Instructor: Tamra Swann (Section 501) One hour lecture. An interdisciplinary perspective on the field of disaster management and humanitarian assistance while providing a broad-based understanding of the complexities of the disaster management cycle with a specific focus on risk reduction and resiliency. The course emphasizes skills and knowledge relevant to engineering focused students. <i>Course Dates: 06/02/2022 - 08/04/2022</i>	TBA	TBA
GE 8321	MIL MENG Bridge Assessment Instructor: Tamra Swann (Section 501) One hour lecture. Introduction of the many unique challenges associated with bridge engineering and assessment in support of military operations, which are significantly different to the civilian sector. <i>Course Dates: 06/02/2022 - 08/04/2022</i>	TBA	TBA
GE 8331	MIL MENG Intermodal Trans Sys Instructor: Tamra Swann (Section 591) One hour lecture. This course will utilize engineering concepts and logistics to address mobility concerns in military engineering, analyze the connectivity of these systems and discuss the ability of the military to push through lines of communication. <i>Course Dates: 06/02/2022 - 06/30/2022</i>	TBA	TBA
IE 6333	Prod Control Sys I Instructor: Wenmeng Tian (Section 591) (Prerequisite: Grade of C or better in IE 4613). Three hours lecture. Principles, analysis, and design of production and inventory planning and control. Demand for forecasting, aggregated planning, inventory management, production scheduling and control systems. <i>Course Dates: 06/02/2022 - 06/30/2022</i>	TBA	TBA

IE 6543	Logistics Engineering Instructor: Raed Jaradat (Section 551) (Prerequisite: IE 4613 and senior or graduate standing, Co-requisites: IE 4733 or MA 4733). Three hours lecture. Analysis of complex logistics networks. Integration of supply, production, inventory, transportation, and distribution. Strategies for reducing logistics costs and lead times. Customer-supplier partnerships. <i>Course Dates: 07/06/2022 - 08/04/2022</i>	Mon - Fri	10:00am - 11:50am
IE 6613	Eng Statistics I Instructor: Nazanin Morshedlou (Section 591) (Prerequisite: MA 1723). Three hours lecture. Introduction to statistical analysis. Topics include: probability, probability distributions, data analysis, parameter estimation, statistical intervals, and statistical inferences. <i>Course Dates: 06/02/2022 - 06/30/2022</i>	Mon - Fri	8:00am - 9:50am
IE 6653	Ind Qual Control I Instructor: Jenna Johnson (Section 551) (Prerequisite: IE 4613). Three hours lecture. The theory and application of statistical quality control; statistical process control; and statistical acceptance sampling. <i>Course Dates: 07/06/2022 - 08/04/2022</i>	TBA	TBA
IE 6733	Linear Programming I Instructor: Nazanin Morshedlou (Section 551) (Prerequisites: MA 3113). Three hours lecture. Theory and application of linear programming; formulating optimization models; simplex algorithm, duality and sensitivity analysis, integer programming; branch-and-bound algorithm; real-life applications of linear and integer programming models (Same as MA 4733/6733). <i>Course Dates: 07/06/2022 - 08/04/2022</i>	Mon - Fri	3:00pm - 4:50pm
IE 6753	Systems Engr & Analysis Instructor: Daniel Dunaway (Section 591) (Prerequisite: Grade of C or better in IE 3913 and IE 4613). Three hours lecture. Systems concepts, methodologies, models and tools for analyzing, designing, and improving new and existing human-made systems. <i>Course Dates: 06/02/2022 - 06/30/2022</i>	Mon - Fri	1:00pm - 2:50pm
IE 6990	Special Topics in IE - Data Science in the Sport Eco System Instructor: Reuben Burch, V (Section 501) Credit to be arranged. This course is to be used on a limited basis to offer developing subject matter areas not covered in existing courses. (Courses limited to two offerings under one title within two academic years). <i>Course Dates: 06/02/2022 - 08/04/2022</i>	TBA	TBA

Mississippi State University Registration Information

Admissions

All students participating in the off-campus program should contact Tamra Swann to get information on the Admissions and the Registrations process. Unclassified students can transfer a limited number of credits into their degree program. Tamra Swann (662-325-3786) is the Bagley Distance Education Coordinator and will assist students in pursuing their master's degree program.

Registration

Registration for Summer 2022 is ongoing through May 1st for applicants applying for online degree programs. For unclassified students, the registration deadline for Summer 2022 is 11:59 PM (CST) before the first day of class. Applications can be started at <https://apply.grad.msstate.edu/>. Please call Danielle Poole at 228-688-3170 for more details.

Tuition for Summer 2022

Online tuition for Summer 2022 is \$531.25 per graduate credit hour. Other online fees may apply, depending on the program. Fee details can be found at <https://www.controller.msstate.edu/accountservices/tuition/>

Note: The Center of Higher Learning makes every attempt to accurately list tuition rates for our participating universities. It is advisable, however, to check with the University before submitting your final paperwork or payment.

Textbooks

Students wishing to order textbooks can do so by visiting the MSU Bookstore website at <https://msstate.bncollege.com/shop/msu/home> or calling at (662) 325-8361. Students can also visit the Campus Book Mart website at <https://www.campusbookmart.net/cbm/> or call them at (662) 323-7660.

Important Dates

MSU offers 5-week and 10-week summer term courses. Please consult the course dates listed in the individual course descriptions. All deadlines are at 12:00 midnight unless otherwise stated.

Summer First Term

June 2 nd	Classes begin
June 3 rd	Last day to drop or add a course (2nd class day)
June 28 th	Classes end
June 30 th	Final examinations

Summer Second Term

July 6 th	Classes begin
July 7 th	Last day to drop or add a course (2nd class day)
August 1 st	Classes end
August 3 rd , 4 th	Final examinations

Summer Ten Week Term

June 2 nd	Classes begin
June 6 th	Last day to drop or add a course (3 rd class day)
June 29 th - July 5 th	Break for ten-week classes
July 6 th	Classes resume
August 1 st	Classes end
August 3 rd , 4 th	Final examinations

For questions about registration and schedule changes, contact Tamra Swann at 662.325.3786 or tswann@bagley.msstate.edu.