THOMAS EDISON STATE UNIVERSITY

THE LEADER IN ONLINE EDUCATION

MASTER OF
SCIENCE

(MS)

WHY OUR PROGRAM?

The Master of Science (MS) degree is designed to meet the advanced, multidisciplinary educational requirements of students interested in attaining leadership positions in a variety of technical professions. TESU is dedicated to continually enhancing its position as a leader in engineering technology and applied science education to advance the professions and empower our graduates to succeed in all aspects of their academic, professional and civic endeavors.

PROGRAM ADVANTAGES

▸ Develop necessary research-analysis and critical-evaluation skills

▸ Demonstrate leadership in the workplace through the use of advanced technological and management tools and techniques

WWW.TESU.EDU/MS

PREPARE TO LEAD TODAY'S TECHNICAL ENTERPRISES

Our Master of Science (MS) degree program provides graduate study in the modern tools of business management, leadership, applied science and technology. Whether you would like to prepare for a new career in a technical industry or transition to a managerial position, the MS program can help you develop the research-analysis and critical-evaluation skills necessary to support decision making and problem solving required to lead today's technical enterprises.

AREAS OF STUDY

You may also specialize in one of the following areas of study:

▸ Aviation Management

▸ Clinical Trials Management

▸ Information Systems

▸ Nuclear Energy Technology Management

▸ Technical Studies

"My graduate work has been a crucial asset in allowing me to better understand the inner workings of the pharmaceutical and risk management industries. The flexibility of the program was what drew me in and one of the best parts of the program, aside from the course content, was the interaction I had with my peers, particularly those who were stationed overseas in the military."

Allison Adamousky, MS '16

WHY CHOOSE TESU?

As one of the first schools in the country designed specifically for busy, motivated adults, Thomas Edison State University is dedicated to providing you with a high-quality education — anytime, anywhere.

- ▸ **Exceptional Value:** Competitive tuition and fees. Plus, financial aid and scholarships are available.
- ▸ **Barrier Free:** Students who receive an undergraduate degree with a GPA of 3.0 or higher will be automatically admitted to a graduate program.* No GRE/GMAT or recommendation letter required.
- ▸ **Degree Flexibility:** Engage in your courses whatever time of day works for you. Courses are available 24/7.

*Several programs have additional requirements beyond GPA for admission.

ONLINE. ACCREDITED. RESPECTED.

Three words that characterize Thomas Edison State University's (TESU) unique approach to providing quality higher education in today's technology-fueled times.

Dedicated to educating adult learners for five decades, TESU has set the standard in online learning. As the leader in online education and a national leader in the assessment of adult learning, TESU is accredited by the Middle States Commission on Higher Education and has been called "the college that paved the way for flexibility" by *The New York Times*.

Our innovative online and independent study courses and credit-by-exam programs give you the flexibility to pursue your degree when and where it is convenient for you. With more than 100 areas of study, TESU offers associate, bachelor's, master's and doctoral degrees and undergraduate and graduate certificates. One of New Jersey's senior public institutions, TESU's liberal credit transfer policies and tuition models remove barriers for adults pursuing higher education. Our resume-relevant programs provide career-building skills to help you meet your educational and professional goals.

YOU'RE READY TO STUDY WITH THE LEADER IN ONLINE EDUCATION. EARN YOUR DEGREE ON YOUR SCHEDULE. VISIT TESU.EDU AND APPLY TODAY.

THOMAS EDISON STATE UNIVERSITY

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Office of the Dean 609-984-1130 • Graduate Admissions 609-777-5680
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Courses and Credit Allocation
MASTER OF SCIENCE

Credits

MS CORE COURSES		15-18*
APS-602	Managing People in Technology-Based Organizations	3
THC-625	Technology and the Human Community: Challenges and Responses**	3
APS-600	Enhancing Performance in Technology Organizations	3
APS-510	Project Management for Technology	3
APS-601	Technology Innovation and Commercialization***	3
APS-610	Cost Estimation and Financial Management for Engineers and Technologists	3
MSI-501	Foundation of Information Technology*	3

AREAS OF STUDY		12-15*

Students may also specialize in one of the following areas:

AVIATION MANAGEMENT		15

Students choose 5 courses*

AVM-501	Aviation Safety and Security Programs Management	3
AVM-502	Air Carrier Operations	3
AVM-503	Airport Management and Operations	3
AVM-504	Aviation Economics and Fiscal Management	3
AVM-505	Human Resource Management and Labor Relations in Aviation	3
AVM-506	Data Analytics for the Aviation Industry	3

CLINICAL TRIALS MANAGEMENT		12
CTM-510	Introduction to Clinical Trials Research and Drug Development	3
CTM-520	Clinical Trials Research: Practice to Policy	3
CTM-530	Introduction to Clinical Trials Data Management	3
CTM-540	Ethical Issues and Regulatory Principles in Clinical Trials	3

INFORMATION SYSTEMS		15
MSI-502	Telecommunications and Networking	3
MSI-503	Object-Oriented Application Development	3
MSI-504	Information Systems Analysis, Modeling, and Design	3
MSI-505	Principles of Database Design	3
MSI-506	Operating Systems	3

NUCLEAR ENERGY TECHNOLOGY		12
APS-501	Human Performance Improvement	3
NUC-501	Atmospheric Dispersion of Radioisotopes	3
NUC-502	Criticality Safety	3
NUC-503	Current Issues Case Studies	3

TECHNICAL STUDIES		12
EUT-500	Renewable and Alternative Energy	3
APS-501	Human Performance Improvement	3
APS-502	Advanced Quality Analysis	3
CMP-500	Network Security	3

MASTER'S PROJECT		6
APS-700	Master's Project in Applied Science and Technology	3

TOTAL		36-39

*The Information Systems area of study requires students who are not working IT professionals to take MSI-501: Foundation of Information Technology as part of the core requirements, bringing the total credits needed to earn the degree to 39 credits. Students who are IT professionals at the time they are admitted into the program will not be required to take MSI-501, pending a review by the dean.
**Students who select the Information Systems or Aviation Management area of study are not required to take THC-625: Technology and the Human Community: Challenges and Responses.
***Students who select the Aviation Management area of study are not required to take APS-601: Technology Innovation and Commercialization.