
Engineering Management Program at UTA Fort Worth

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College of Engineering Graduate Recruiter UTA Fort Worth Programs

The University of Texas at Arlington

58,000 Students & 250,000 Alumni – 65% in North Texas



- Carnegie R-1 Doctoral University
 - Very High Research Activity
- Texas Tier One
 - 4th Texas University Recognized
- #1 in the Nation for Veterans
 - Military Times, 2021
- #1 for Degrees for African American
 - Issues in Higher Education, 2021
- Asian American, Native American, Pacific Islander Serving Institution
 - U.S. Department of Education, 2021
- Hispanic Serving Institution
 - U.S. Department of Education, 2021

Engineering Management Definition

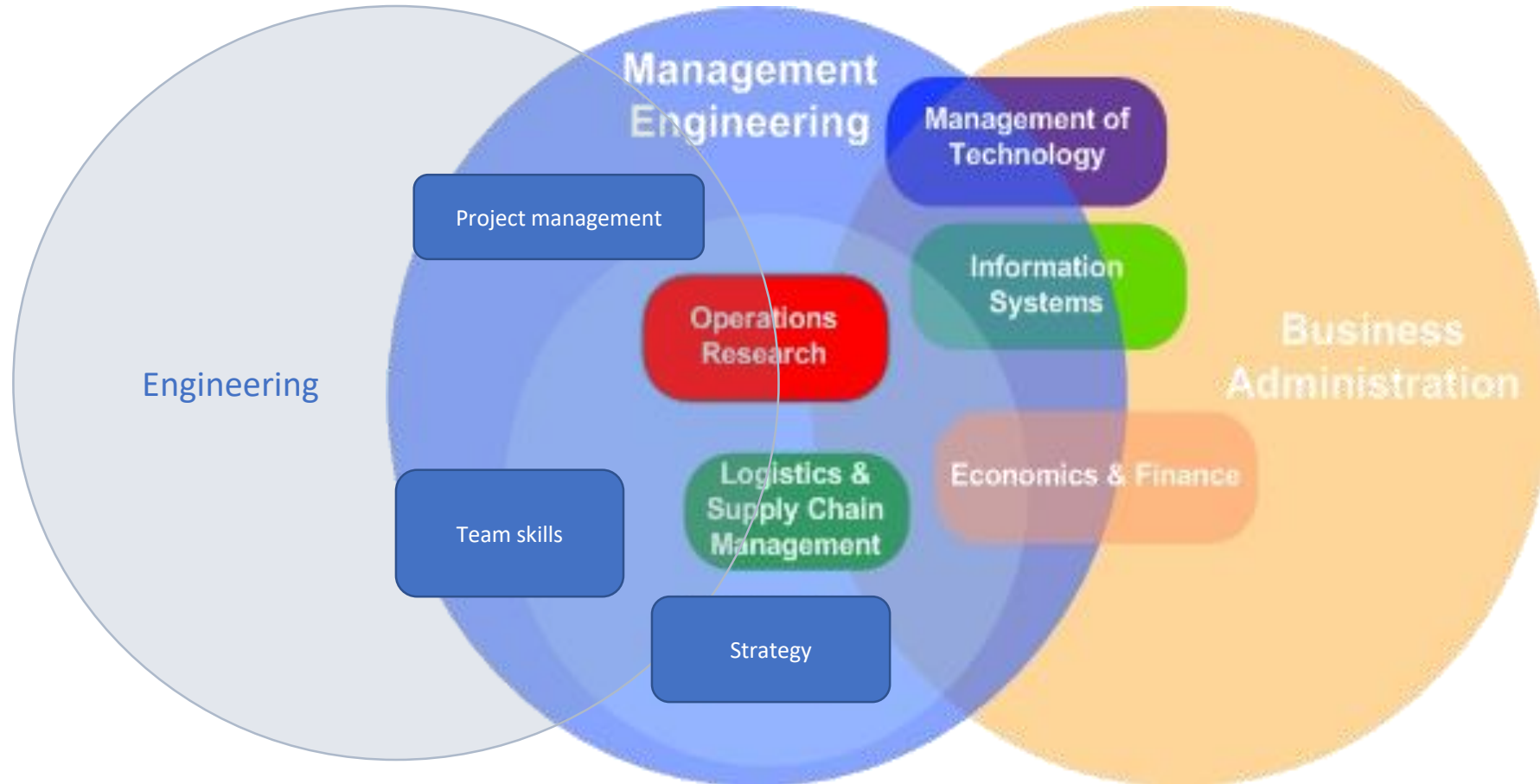
- Engineering management or Management Engineering is applied engineering. It is the application of engineering methods, tools, and techniques applied to business management systems. Engineering management is a career that brings together the technological problem-solving ability of engineering and the organizational, administrative, legal and planning abilities of management in order to oversee the operational performance of complex engineering-driven enterprises.

["Waseda University School of Creative Science and Engineering"](http://www.cse.sci.waseda.ac.jp). www.cse.sci.waseda.ac.jp.

Retrieved 2024-01-20.

["KAIST College of Business"](http://www.business.kaist.edu). www.business.kaist.edu. Retrieved 2024-01-20.

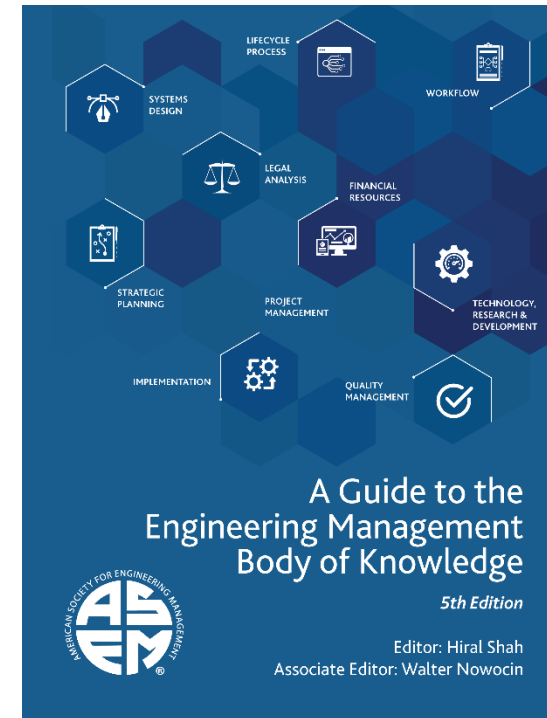
Engineering Management or Management Engineering and Business Administration



Publications: EM Body of Knowledge (EMBoK)

DOMAINS:

1. Intro to EM
2. Leadership & Organization
3. Strategic Planning
4. Financial Resource Management
5. Project Management
6. Ops & SC Management
7. Marketing & Sales Management
8. Management of Technology, R&D
9. Systems Engineering
10. Legal issues
11. Codes of Conduct / Ethics



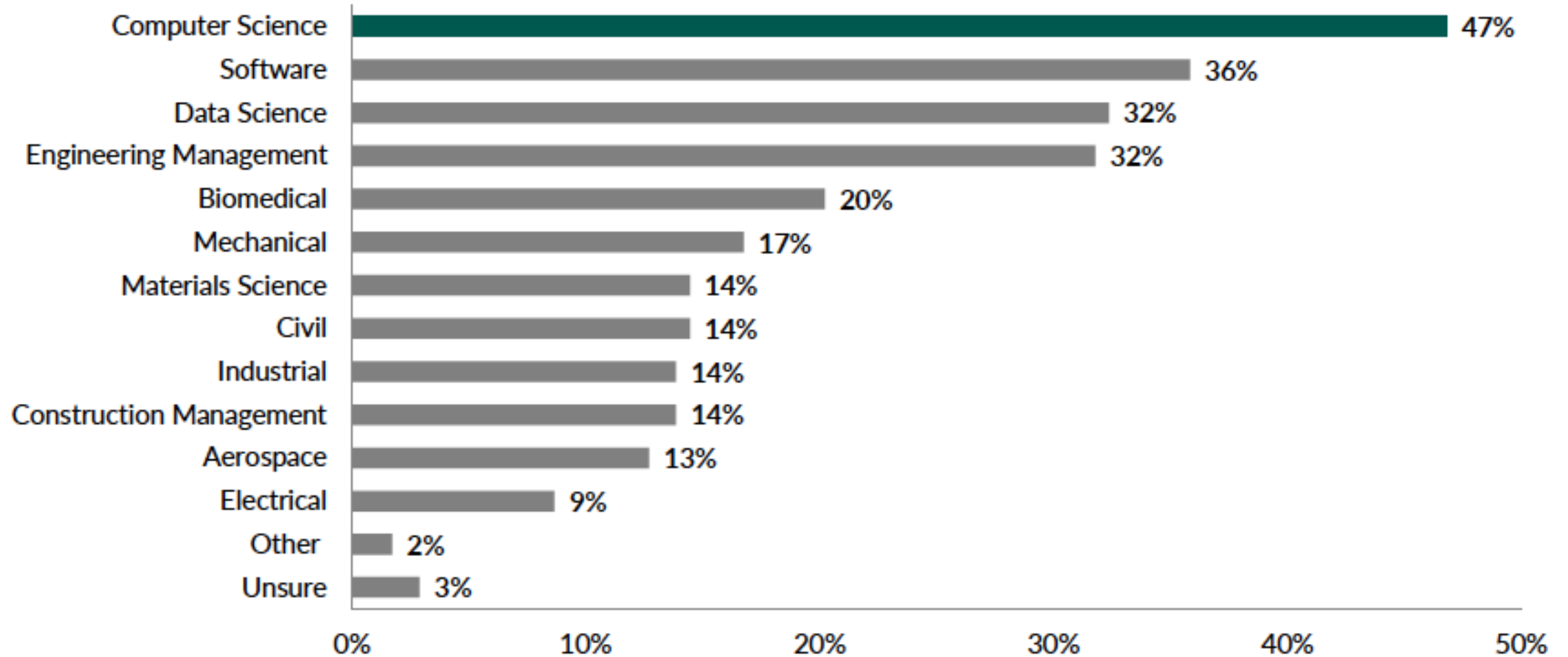
Agile Curriculum

- Curricula, from certificate to graduate degrees, and internship programs that focus on increasing the skill level of the technical workforce by meeting the needs of industry in reducing the time for rapid upskilling and reskilling of
 - Existing employees,
 - new hires, and
 - recruiting and training students so they are job-ready from day one

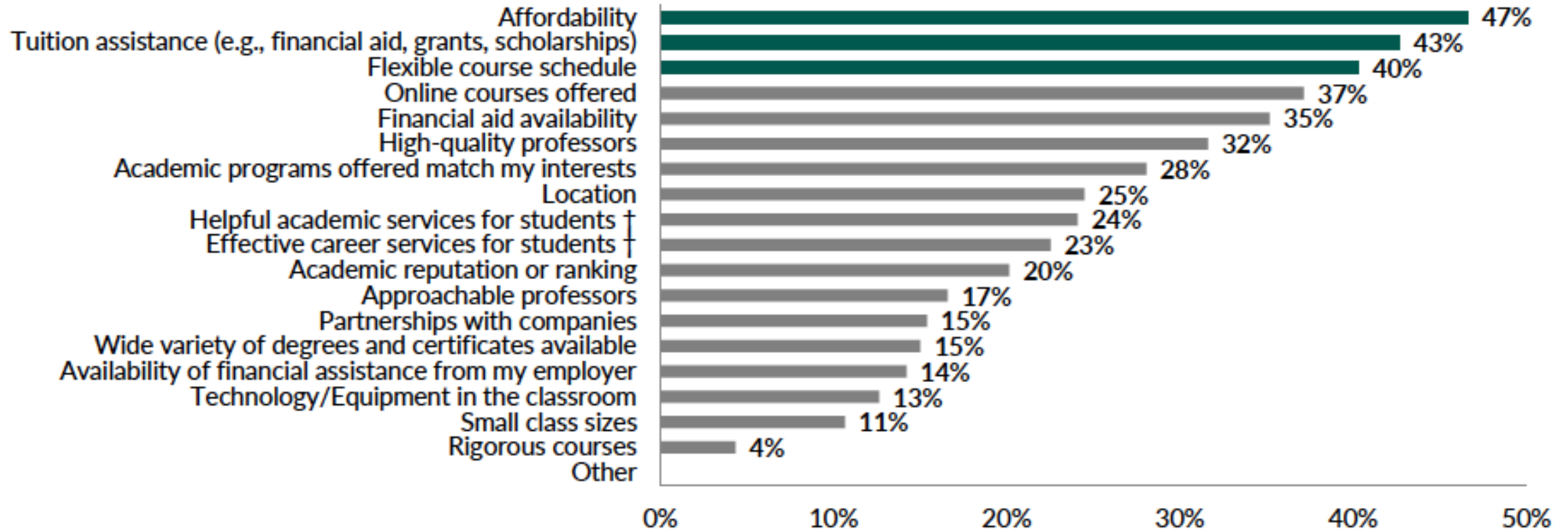


Evoqua.com

What engineering or computer science master's degree program(s) would you be interested in?
Please select all that apply. (n=173)



Which of the following factors are most important to you when deciding where to apply for a graduate program or where to take courses? Please select up to five options. (n=253)





Conveniently located in the heart of downtown Fort Worth, UTA Fort Worth offers evening and weekend classes that are smaller in size to professionals looking to earn a degree in 24 months or less.



M.S. IN ENGINEERING MANAGEMENT

UTA's Master of Science in Engineering Management program will develop your leadership skills while also expanding your science and engineering abilities. Preparing technical professionals to lead engineering teams in technology-driven organizations by combining problem-solving skills of engineering with leadership and planning abilities of management.

To be an engineering manager, you need the skills to mentor, motivate, and lead technical professionals to solve complex problems. Graduates are suited for technology driven and fast-growing industries. The program is offered at the UTA Fort Worth campus and is designed for working professionals with a background in engineering or a STEM field looking to develop leadership skills and expands science and engineering abilities.

- 30-credit hour accelerated program completed in 21 months
- Hybrid courses that meet once on campus and once on-line each week
- Complete one course at a time over 8-weeks
- Focus on both engineering and management skills
- Delivered at the UTA Fort Worth campus to better support working
- GRE waivers available for those with work experience

Engineering Management Curriculum

Fall 23: 1st 8-Week Session

ISE 6305: Engineering Management I

Fall 23: 2nd 8-Week Session

ISE 6306: Engineering Management II

Spring 24: 1st 8-Week Session

IE 5317: Introduction to Statistics

Spring 24: 2nd 8-Week Session

IE 5303: Quality Systems

Summer 24: 1st 7-Week Session

IE 5304: Advanced Engineering Economy

Summer 24: 2nd 7-Week Session

IE 5333: Logistics Transportation Systems Design

Fall 24: 1st 8-Week Session

IE 5351: Introduction to Systems Engineering

Fall 24: 2nd 8-Week Session

IE 5329: Production and Inventory Control Systems

Spring 25: 1st 8-Week Session

ACCT 5307: Measurement and Analysis for Business Decision Making

Spring 25: 2nd 8-Week Session

IE 5346: Technology Development and Deployment

Questions!

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