



10 Reasons to Consider a Career in Management Science

SMU SCHOOL OF ENGINEERING EMIS: B.S. Management Science


You have the opportunity to solve real-world problems.



- These problems matter to organizations and have an impact.
- In areas such as healthcare, engineering, public policy, national defense, resource management, and disaster relief,
- You can truly change peoples' lives for the better.

SMU SCHOOL OF ENGINEERING Management Science

You can use your analytical skills *and* your creativity.



There is a job in Management Science for you:

- Whether you like subjects like
 - Math, engineering, computer science
- Or an industry
 - Healthcare, manufacturing, finance, government, or military

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You have mobility



- You can apply your core Management Science skills to almost any industry – pharmaceuticals, law enforcement, even entertainment
- So you're far more recession-proof than if you focused on one cyclical industry
- And with Management Science training, you can move into management consulting, operations, marketing, finance, and other fields

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You Have Variety



- Management Science has many different dimensions
- So you never have to get bored or pigeonholed into a specific technique or problem-solving approach

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You become a better strategist.



- The Management Science discipline:
 - looking at problems
 - creating models
 - setting up analysis that points to better options and results
- Helps you make better personal and professional decisions

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You link technology and management



- As a Management Scientist you often act as interpreter between technical staff
 - operators, operations management, computer programmers, software engineers, and electrical engineers –and management
- You help translate real-world needs into software or models,
- Then translate the results back into better real-world outcomes and results.

 Management Science

You can make a great living.



- The average starting salary for a Management Science professional is \$60,000 to \$70,000, and it's easy to move up to \$100,000.
- In financial engineering, you can make up to \$300,000 or more.

 Management Science

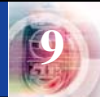
You're not part of a fad.



- The diverse techniques of Management Science
 - including optimization, simulation, queuing and game theory, decision analysisare all proven methods with thousands of success stories
- Each area is evolving, so you constantly have the opportunity to learn new things.

 Management Science

You can have fun at work.



- In many professional careers, little of what you create is implemented.
- The ability of Management Science to have an impact – save millions (even hundreds of millions) of dollars– means that companies put its solutions to use.
- And when you've been part of a solution, it's a great feeling.

 Management Science

You're extremely relevant today.



- Many organizations find themselves awash in data, with little understanding of how to leverage that data for better results.
- With Management Science you bring *the Science of Better*:
Tools and approaches for harvesting insight from data to make dramatic improvements throughout the organization.

 Management Science

Management Science at SMU



- For more information on Management Science at SMU go to the EMIS website:

enr.smu.edu/emis

- Learn more about the field of Management Science / Operations Research at:

www.scienceofbetter.org
www.informs.org

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