**Master of Science in Engineering Management:** Online delivery

Engineering Management focuses on planning, organizing, controlling and leading primarily technical projects and organizations. Engineering managers combine management and engineering savvy, making them unique and highly sought after employees for a wide range of businesses.

**Concentrations:** Energy Systems, Lean Six Sigma, Logistics & Supply Chain

International students living outside of the US are encouraged to apply to the online program. No visa required.

Discover the Technical Alternative to the MBA - [http://seem.uncc.edu/](http://seem.uncc.edu/)

<table>
<thead>
<tr>
<th>MSEM curriculum</th>
<th>30 credit hours total, 12 to 27 months</th>
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<td><strong>Seminar - Taken for three semesters</strong></td>
<td>EMGT 6980 Industrial and Technology Management Seminars (1)</td>
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| **Core A** 1-2 courses (3-6 hours) | EMGT 6142 Quality & Manufacturing Mgmt (3)  
EMGT 6901 Advanced Project Management (3)  
EMGT 6904 Product and Process Design (3)  
EMGT 6930 Capital Cost Estimating (3)  
EMGT 6920 Logistics Engineering and Management (3)  
EMGT 6090 Lean Six Sigma Practice and Management (3)  
EMGT 6950 Engineering Systems Integration (3) |
| **Core B** 1-2 courses (3-6 hours) | EMGT 6905 Designed Experimentation (3)  
EMGT 6906 Processing Systems Simulation (3)  
EMGT 6910 Technological Forecasting and Decision-Making (3)  
EMGT 6912 Techniques and Intelligent Tools for Engineering Decision Support (3)  
EMGT 6915 Engineering Decision and Risk Analysis (3)  
EMGT 6952 Engineering Systems Optimization (3)  
EMGT 6955 Systems Reliability Engineering (3) |
| **Energy Systems Concentration** 4 courses (12 hours) | EMGT 5961 Introduction to Energy Systems (3)  
EMGT 5962 Energy Markets (3)  
EMGT 5963 Energy Systems Planning (3)  
EMGT 5964 Case Studies in the Energy Industry (3)  
Other concentrations in development |
| **Electives** 2-6 courses (6 - 18 hours) | EMGT 6902 Legal Issues in Engineering Management (3)  
EMGT 6985 Engineering Management Project (3)  
EMGT 6090 Lean Six Sigma Practice and Management (3)  
EMGT 6090 Lean Supply Networks (3)  
EMGT 6090 Financial Management for Global Engineering Operations (3)  
MBAD 6141 Operations Management (3) (on-campus only)  
MBAD 6161 Org Leadership & Behavior I (3) (on-campus only)  
MBAD 6164 Executive Communications (3) (on-campus only)  
MBAD 6195 A Strategic Management of Technology (3) (on-campus only)  
Courses from the core and Energy concentration can also be taken as electives. |
| **Thesis Option** (6 hours) | EMGT 6991 Graduate Master Thesis Research |

Contact Shanna Coles at shannacoles@uncc.edu with questions.

Updated 6/10/13