Master of Science in Engineering Technology

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https://engineering.tamu.edu/etid/academics/degrees/ms-et.html
Background

• First resident masters program in ETID
• Will start offering classes in Fall 2019
• Interested student need to apply now; due-date March 1\textsuperscript{st}, 2019
Why MSET?

• You will have the opportunity to specialize in specific topic of interest through more advanced ET coursework and thesis/project
• You will become more competitive in the job market with graduate degree above the BS
• You will acquire 1-year experience credit towards PE license

2017 job market research suggest job postings requiring MSET degrees that year were unmatched by the number of MS degrees awarded nationwide.
Program Outline

• Resident program

• Duration:
  • 3-full semesters
  • BS+1 possible

• 30 credit hours
  • 6 credits of required courses
  • 15 credits of elective courses (at least 12 from ETID)
  • 6 credits of project or thesis work
  • 3 credits of seminar

• May include one 4xx class
How can ETID help?

• Financial support possible working as a GAT in our labs
  • Monthly stipend
  • Tuition-waiver
    (Subject to student’s skills and availability of funds)

• GRE waived for students graduating from Texas A&M University with a BS from the college of engineering
How could 4+1 work?

1. Fast track program
   • Take up to 2-graduate courses during BS
   • Get credit by exam for similar undergraduate class; needs undergraduate program approval
   • Needs undergraduate program approval to participate (e.g. minimum GPA requirements)

AND/OR

2. Take appropriate 4xx and 6xx courses during junior/senior years
   • in addition to those required for your BS
   • needs advanced contact with potential graduate advisor
Academics

• You will work with an advisor during you MS program
• Your advisor will supervise your required project or thesis
• If you do a thesis, you and your advisor will form an MS committee
Sample Courses - select 4/5 from:

<table>
<thead>
<tr>
<th>Course No</th>
<th>Course Name</th>
<th>Comment</th>
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<tbody>
<tr>
<td>MMET 629/ESET 619</td>
<td>Technical project supervision and personnel</td>
<td>Required, Fall 2019</td>
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<tr>
<td>MMET 641</td>
<td>Data Analysis, Simulation &amp; Experimental Methods for Industry</td>
<td>Fall 2019</td>
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<tr>
<td>MMET 661</td>
<td>Product &amp; System Lifecycle Management</td>
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<tr>
<td>MMET 651</td>
<td>Advanced Materials, Selection &amp; Analysis/Testing</td>
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<tr>
<td>MMET 652</td>
<td>Advanced Manufacturing Processes &amp; Systems</td>
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<td>MMET 610</td>
<td>Cyber-Enabled Manufacturing</td>
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<td>MMET 612</td>
<td>Manufacturing supply-chain capability management</td>
<td>Fall 2019</td>
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<tr>
<td>MMET 689</td>
<td>Machine Elements in Mechanical Design Applications</td>
<td>Spring 2019</td>
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<tr>
<td>ENTC 489</td>
<td>Special Topics on Advanced Networking and Security</td>
<td>Spring 2019</td>
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<tr>
<td>ESET 611</td>
<td>Industrial Internet of Things</td>
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<td>ESET 621</td>
<td>Internet of Things Regulatory Processes</td>
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<td>ESET 631</td>
<td>Internet of Things applications in Biomedical</td>
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<td>ESET 612</td>
<td>Product and System Development as applied to IoT</td>
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<td>ESET 633</td>
<td>Advanced Wireless Instrumentation and Control</td>
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<td>ESET 644</td>
<td>Embedded Intelligent System Design</td>
<td>Fall 2019</td>
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<tr>
<td>MXET 635</td>
<td>Advanced Applied Dynamics for Mechatronic Systems</td>
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Questions?

Contact (ETID Graduate Studies Committee):

- Dr. Rainer Fink
- Dr. Byul Hur
- Dr. Mathew Kuttolamadom
- Dr. Jorge Leon
- Dr. Jyhwen Wang
- Susan Keough, Administrative Coordinator