Why Choose Quality Engineering Technology?
The faster industry standards change - whether because of new
technology or new materials - the more important it is to have quality
control programs and personnel that can meet the challenge. This
area is so important to manufacturing, in fact, that representatives
from industry and the American Society for Quality Control worked
with the FSU Manufacturing Engineering Technology faculty to create
this unique degree program.

This program is for individuals employed in quality or quality related
fields or who desire to become employed in a quality position within a
manufacturing company. The program is designed for those who
wish to expand and build upon the base of technical knowledge they
have acquired through work experience and academic training.

Ferris State University offers upper division (300/400 level)
coursework for the BS degree in quality engineering technology at
the Applied Technology Center in Grand Rapids.

Prepare for a Great Career
Graduates of the program are prepared to assume technical and
leadership positions in all areas of quality within manufacturing
companies. Ferris has tailored the program for the part-time student
by offering technical core coursework in the evenings. In addition,
credit earned in equivalent courses taken at other accredited colleges
and universities may be applied toward total degree requirements.
Students must have a manufacturing based technology associates
degree or equivalent. College algebra is also a requirement.

Get a Great Job!
If you currently have a technology-based associate's degree or
specialized certification, this degree with a focus on quality
engineering technology will open up opportunities in a variety of
industries. Graduates are prepared to assume technical and
leadership positions in all areas of quality within manufacturing
companies. Ferris has tailored the program for the part-time student
by offering technical core coursework in the evenings. In addition,
credit earned in equivalent courses taken at other accredited colleges
and universities may be applied toward total degree requirements.
Students must have a manufacturing based technology associates
degree or equivalent. College algebra is also a requirement.

Admission Requirements
Students entering the Quality Engineering Technology program must
have completed a two-year program at Ferris in a Manufacturing-
Based Technology (or 60 credits hours of college course work
including technical courses, general courses, and technical related
courses). Students must have a 2.75 honor point average in major
courses and a 2.50 honor point average in mathematics
through MATH 116/126 (or equivalent), or completion of MATH 216
OR permission of faculty.

Additional Requirements
A materials science course (e.g. MATL 240), a first scientific
understanding (e.g. PHYS 211), a speech class (COMM 121 or
equivalent), and MECH 240 are required for graduation. It is
recommended that these requirements be met in the A.A.S.
coursework. Student must be prepared for calculus by winter
semester of junior year.

Graduation Requirements
The Quality Engineering Technology program at Ferris leads to a
bachelor of science degree. Graduation requires a minimum 2.0 GPA
in core classes, in the major and overall. Students must complete all
general education requirements as outlined on the General
Education website.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Major</td>
<td></td>
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</tr>
<tr>
<td>MATL 341</td>
<td>Material Selection Metals</td>
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</tr>
<tr>
<td>MFG 321</td>
<td>Metrology</td>
<td>2</td>
</tr>
<tr>
<td>MFG 322</td>
<td>Production Processes</td>
<td>3</td>
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<tr>
<td>MFG 324</td>
<td>Tool Engineering* W</td>
<td>4</td>
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<td>MFG 341</td>
<td>Quality Science Statistics</td>
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<tr>
<td>MFG 342</td>
<td>Statistical Process Engineering</td>
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</tr>
<tr>
<td>MFG 393</td>
<td>Internship - Mfg Engineering * W</td>
<td>4</td>
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<tr>
<td>MFG 423</td>
<td>Engineering Economics</td>
<td>2</td>
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<tr>
<td>MFG 442</td>
<td>Design of Experiments 1</td>
<td>3</td>
</tr>
<tr>
<td>MFG 443</td>
<td>Continuous Improvement</td>
<td>3</td>
</tr>
<tr>
<td>MFG 444</td>
<td>Quality Auditing</td>
<td>3</td>
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<tr>
<td>MFG 445</td>
<td>Reliability Engineering</td>
<td>3</td>
</tr>
<tr>
<td>MFG 446</td>
<td>Design of Experiments 2</td>
<td>3</td>
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<td>MGMT 302</td>
<td>Organizational Behavior</td>
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<tr>
<td>Technical Related</td>
<td>STQM 311 - Cont Improvement Tools</td>
<td>3</td>
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<tr>
<td>General Education</td>
<td>ENGL 311 - Advanced Technical Writing</td>
<td>3</td>
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<tr>
<td>MATH 216</td>
<td>Applied Calculus</td>
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<tr>
<td>PSYC 150</td>
<td>Introduction to Psychology* RS</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 326</td>
<td>Indust-Organizat'l Psych* RS</td>
<td>3</td>
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<tr>
<td>Electives</td>
<td></td>
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<tr>
<td></td>
<td>Cultural Enrichment</td>
<td>3</td>
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<tr>
<td></td>
<td>Cultural Enrichment (Global Consciousness)</td>
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<td></td>
<td>Scientific Understanding</td>
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<tr>
<td>Social Awareness:</td>
<td>PSYC 150 - Introduction to Psychology* RS</td>
<td>3</td>
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<tr>
<td></td>
<td>PSYC 326 - Indust-Organizat'l Psych* RS</td>
<td>3</td>
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<tr>
<td>Minimum credit hours required for B.S. degree:</td>
<td>68</td>
<td></td>
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</tbody>
</table>

* MFG 341, MFG 342, MFG 442, MFG 443 satisfy requirements
for a certificate in quality technology

More Information
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Ferris State University
COLLEGE OF TECHNOLOGY