**PROGRAM PREREQUISITES**

- Complete Years 1 to 3 at The University of Shanghai for Science and Technology, including:
  - MAS 3105 Applied Linear Algebra
  - EGN 3443 Engineering Statistics and Probability
- Excellent English communications skills to achieve the required 80 on the TOEFL iBT/550 Paper based TOEFL/ 6.5 IELTS.

**ACADEMIC CURRICULUM**

**Fall Semester** (15 credit hours of undergraduate/graduate Industrial and Manufacturing Engineering courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EIN 4890 (3)</td>
<td>IE Senior Design Project I</td>
</tr>
<tr>
<td>EMA 5182 (3)</td>
<td>Composites Materials Engineering</td>
</tr>
<tr>
<td>ESI 5525 (3)</td>
<td>Modeling &amp; Analysis</td>
</tr>
<tr>
<td>ESI 3312 (3)</td>
<td>Operations Research I</td>
</tr>
<tr>
<td>ESI 4234 (3)</td>
<td>Quality Control &amp; Reliability</td>
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<td></td>
<td>Engineering</td>
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**Spring Semester** (15 credit hours of undergraduate/graduate Industrial and Manufacturing Engineering courses)

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<th>Course Code</th>
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<tbody>
<tr>
<td>EIN 4891 (3)</td>
<td>IE Senior Design Project II</td>
</tr>
<tr>
<td>ESI 5408 (3)</td>
<td>Applied Optimization</td>
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<tr>
<td>ESI 5247 (3)</td>
<td>Engineering Experiments</td>
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<tr>
<td>ESI 4313 (3)</td>
<td>Operations Research II</td>
</tr>
<tr>
<td>ESI 4523 (3)</td>
<td>Simulation of Industrial</td>
</tr>
<tr>
<td></td>
<td>Engineering Systems</td>
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</tbody>
</table>

List of Technical Electives can be found in the department web link:
http://www.eng.fsu.edu/ime/undergradcourses.html

To find out more about the Special Academic Program in Industrial and Manufacturing Engineering and the application process, please contact:

Dr. Shengjuan LI
School of Materials Science and Engineering
University of Shanghai for Science & Technology
Email: lsjmoon@163.com

For information on the FSU Department of Electrical Engineering, please visit:
http://www.eng.fsu.edu/ime/

For more information on Special Academic Programs, please visit:
http://www.global.fsu.edu/sap/prgms/industrial.htm

Special Academic Program in Industrial and Manufacturing Engineering
with University of Shanghai for Science & Technology
2016-2017
OVERVIEW

The Florida A&M University - Florida State University College of Engineering offers a 30-credit Special Academic Program in Industrial and Manufacturing Engineering for The University of Shanghai for Science and Technology (USST). This special academic program provides highly motivated and academically inclined students with the opportunity to complete their Bachelor degree from USST through successful participation in a two-semester program at FSU.

This program is aimed to provide Materials Science and Engineering students from USST with comprehensive training through core and technical elective courses and experiential practice in preparation for their engineering careers in industry or pursuit of advanced degree. These courses can also provide students with the undergraduate and/or graduate courses necessary to begin a Master of Science in Industrial & Manufacturing Engineering Program without the need to take additional undergraduate prerequisites.

Students interested in applying to the Master degree in Industrial & Manufacturing Engineering program at FSU will take the GRE during the spring semester and apply for fall admission 2017. Students with FSU grade point average of 3.0 or better (B or better) and acceptable GRE scores will be accepted for admission to FSU Master in Industrial & Manufacturing Engineering. Students may also opt to complete only the two semester of Special Academic Program and not apply for Master program in Industrial & Manufacturing Engineering.

Program Dates: Mid-August 2016 – Early May 2017
Program Fee: $31,000

PROFESSIONAL PREPARATION

The academic program will be supplemented with professional preparation activities, such as the following:

Senior Capstone Design Project Course
The culmination of engineering education and emphasizes industrial and manufacturing engineering design. Requires students to apply industrial and manufacturing engineering principles under conditions that closely resemble those the real world.

Seminar Series
A professional preparation seminar series, including topics such as technical presentations, entrepreneurship, best research practices, career options graduate school, & industry practices.

BENEFITS FOR STUDENTS

- Immersion in English-language and American culture, while earning credit at a highly ranked US university
- Study in classes with domestic and international students
- Full integration in the academic and social life of the academic department
- Work closely with FSU’s high caliber faculty, often in small groups settings or on an optional individualized research project
- The opportunity to transfer up to 15 credits earned during the program into a Master of Science at FSU
- Dedicated academic and non-academic support from staff at the Center for Global Engagement to ensure a smooth transition to living and studying in the USA

PROGRAM SUPPORT

A team of staff at the Center for Global Engagement (CGE) at FSU provide academic and non-academic support for students throughout the duration of the program.

Staff members contact students accepted into the program to provide them with information about FSU, as well as to send all of the necessary immigration documents to apply for a visa. The CGE arranges housing and airport pick-ups and provides a Peer Mentor to help ensure that students are integrated into the FSU community.

In addition, the CGE provides academic support for students during the program, including course scheduling, advising, class registration, online learning and library access, and graduate school admissions. The CGE academic support staff member will also meet with participants regularly about academic matters and hold weekly office hours.

ELIGIBILITY & APPLICATION PROCESS

Strong applicants will have an 80 on the TOEFL iBT Test or a 6.5 on the IELTS, have a grade point average of 3.0 or equivalent, and have completed at least three years at their home institution. Students must submit the completed Florida State University non-degree student application form, copies of the undergraduate transcripts, and TOEFL score to their department's Faculty Contact.

The deadline for application submissions to FSU is January 4, 2016. Application materials will be reviewed and final admission decisions will be made by the FSU faculty in the Department of Industrial and Manufacturing Engineering.

PROGRAM FEE $31,000 INCLUDES:

- 30-credits in Department of Electrical and Computer Engineering, including lab fees for appropriate courses
- Ongoing support from CGE staff and peer mentors
- Room and board at FSU for fall and spring
- FSU ID Card & transcript (upon Program completion)
- Group pick up at Tallahassee Airport

In addition to program fees students pay for the following:

- SEVIS fee and visa application fee.
- An additional $3,000 fee for students who choose the optional Individualized Research Project
- Roundtrip airfare to Tallahassee,
- Medical insurance meeting FSU requirements
- Textbooks
- Personal costs and food during break periods.

ACCOMMODATION AND DINING

Students live in the SouthGate Campus Centre which is conveniently located adjacent the Florida State University campus. The rooms are double occupancy and each student has a bed, wardrobe and desk. Wholesome meals are provided in the SouthGate Dining Hall. Mealtimes offer excellent variety and choice of food and opportunities for social interaction with domestic and international students.

http://southgateatallahassee.com/