PROGRAM PREREQUISITES

- Complete Years 1 to 3 at Huazhong University of Science & Technology, School of Automation according to the course matrix, including
  - Theoretical Mechanics
  - Thermodynamics & Statistical Physics
  - Sensor & Detecting Technology
  - Principles of Automatic Control 1 & II
- Excellent English communications skills to achieve the required 80 on the TOEFL iBT/550 Paper based

ACADEMIC CURRICULUM

**Fall Semester** (12 credit hours of undergraduate Mechanical engineering courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4551</td>
<td>Senior Capstone Design Project I</td>
</tr>
<tr>
<td>EML 5060</td>
<td>Analysis in ME I</td>
</tr>
<tr>
<td>EML 4312</td>
<td>Design &amp; Analysis of Control Systems</td>
</tr>
<tr>
<td>EML 3014C</td>
<td>Dynamic Systems II</td>
</tr>
</tbody>
</table>

**Spring Semester** (15 credit hours of undergraduate Mechanical engineering courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4552</td>
<td>Senior Capstone Design Project II</td>
</tr>
<tr>
<td>EML 4316</td>
<td>Advanced Control</td>
</tr>
<tr>
<td>EML 5061</td>
<td>Analysis in ME II</td>
</tr>
<tr>
<td>EML 5XXX</td>
<td>Mechanical Engineering Elective</td>
</tr>
<tr>
<td>EML 5XXX</td>
<td>Mechanical Engineering Elective OR</td>
</tr>
<tr>
<td>EML 5903</td>
<td>Individualized Research Project</td>
</tr>
</tbody>
</table>

Mechanical engineering courses

Please note that if any of these courses are not offered, the department will strive to provide similar alternatives.

A list of technical electives is available at:
http://www.eng.fsu.edu/me/undergrad/curriculum/electives.html

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

Prof. Wang Yanwu  
School of Automation  
Huazhong University of Science & Technology  
Address: 1037 Luoyu Road  
Wuhan 430074, P.R. China  
Email: wangyw@hust.edu.cn  
Phone: +86-27-87559971

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

For information on the Special Academic Program, please visit:
http://global.fsu.edu/sap/prgms/mechanical.htm
OVERVIEW

The Florida A&M University - Florida State University (FSU) College of Engineering offers a Special Academic Program combining academic courses, professional preparation and research experience in Mechanical Engineering. This unique program prepares participants for their engineering careers in industry or pursuit of advanced degrees by providing them with comprehensive training through course work and experiential practices.

The program is designed for highly motivated and academically-inclined, rising senior students who will have completed the first three years of the required Mechanical Engineering curriculum by July 2016. Students take two semesters of FSU courses needed to complete their BS degree at their home institution, and up to twelve credit hours count toward a MS in Mechanical Engineering at FSU.

Students interested in remaining at FSU for graduate studies will take the Graduate Record Examination (GRE) during the second semester at FSU. Students with an FSU grade point average of 3.0 (B or better) and acceptable GRE scores will be considered for the FSU MS Program in Mechanical Engineering, to begin fall 2017. Once accepted into the graduate program, students will need to take at least three semesters of coursework to receive their MS degree.

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 senior design project is the culmination of engineering education. It requires students to apply mechanical engineering principles under conditions that closely resemble those they will encounter in the real world.

Seminar Series
A professional preparation seminar series, including topics such as technical presentations, entrepreneurship, best research practices, career options graduate school, and 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 12 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 Mechanical Engineering.

PROGRAM FEE $31,000 INCLUDES:

- 27-credits in Department of Mechanical 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. Meal times offer excellent variety and choice of food and opportunities for social interaction with domestic and international students. http://southgateattallahassee.com/