PROGRAM PREREQUISITES

- Complete years 1 to 3 (145.9 hours) as outlined by the Tianjin University of Technology course matrix including:
  - Principles of Chemical Engineering I
  - Principles of Chemical Engineering II
  - Chemical Reaction Engineering
  - Experiments of Principles of Chemical Engineering
- Excellent English communications skills to achieve the required 80 on the TOEFL iBT/6.5 IELTS.

ACADEMIC CURRICULUM

**Fall Semester** (14 credit hours of undergraduate chemical engineering courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECH 3854 (4)</td>
<td>ChE Computations</td>
</tr>
<tr>
<td>ECH 4604 (4)</td>
<td>ChE Process Design I</td>
</tr>
<tr>
<td>ECH 4504 (3)</td>
<td>Kinetics and Reactor Design</td>
</tr>
<tr>
<td>ECH XXXX (3)</td>
<td>ChE approved elective* OR Directed Individual Study</td>
</tr>
</tbody>
</table>

**Spring Semester** (13 credit hours of undergraduate chemical engineering courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ECH 4267 (3)</td>
<td>Transport Phenomena II</td>
</tr>
<tr>
<td>ECH 4615 (3)</td>
<td>ChE Process Design II</td>
</tr>
<tr>
<td>ECH 4323/L (4)</td>
<td>Process Control &amp; Lab</td>
</tr>
<tr>
<td>ECH XXXX (3)</td>
<td>ChE approved elective* OR Directed Individual Study</td>
</tr>
</tbody>
</table>

Example undergraduate/graduate electives include: ECH 4824 – ChE Materials, ECH 4781 – ChE Environmental, ECH 4823 – ChE Polymers, ECH 4743 – ChE Bioengineering, ECH 4825 – Polymer Processing, ECH 4904 Undergraduate Research Project, ECH 4937/5934 – Special Topics in Chemical Engineering, ECH 5052 – Research Methods in Chemical Engineering, ECH 5840 – Advanced Chemical Engineering Mathematics, ECH 5828 – Advanced Polymer Science and Engineering, ECH – 5126 Advanced Chemical Engineering Thermodynamics. (Other courses are permitted and where graduate sections are available TUT students are encouraged to take the graduate sections of the above electives where feasible).

To find out more about the Special Academic Program in Chemical Engineering please contact:

LEI Yingjie
Address: Department of Chemistry & Chemical Engineering,
Tianjin University of Technology
No. 391, Binshuixi Road, Xiqing District, Tianjin
Tianjin, P.R.China 300384

For information on the FSU Department of Chemical Engineering, please visit: [http://www.eng.fsu.edu/me/](http://www.eng.fsu.edu/me/)

For information on the Special Academic Program please visit: [http://global.fsu.edu/sap/prgms/chemical.htm](http://global.fsu.edu/sap/prgms/chemical.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 Chemical 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 Chemical Engineering curriculum by July 2016. The program gives students the opportunity to complete their BS degree from TUT through successful completion of the two-semesters at FSU, and up to twelve credit hours count toward a MS in Chemical 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 Chemical 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

Students gain hands-on experience using state-of-the-art design and computational tools. The academic program will be supplemented with professional preparation activities.

Senior Capstone Design Project Course
The culmination of engineering education and emphasizes chemical engineering process design.

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
- 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.

Applications are due at FSU on January 4, 2016. Application materials will be reviewed and final admission decisions will be made by the FSU faculty in the Department of Chemical Engineering.

PROGRAM FEE $31,000 INCLUDES:

- 27-credits in Department of Chemical 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/