Undergraduate Accreditation

Our undergraduate programs in Electrical Engineering (BSEE) and Computer Engineering (BScP) are accredited by the Engineering Accreditation Commission of ABET (http://www.abet.org). In accordance with ABET requirements, we have developed, in consultation with our constituencies, educational objectives for our Electrical Engineering and Computer Engineering Programs.

Program Educational Objectives for BSEE Degree

Preamble: Graduates of the Electrical Engineering Program of the UH Cullen College of Engineering obtain employment in a wide variety of electrical engineering fields. Some further their education to pursue careers in research, law, medicine, business, or other areas. Regardless of the career path they choose, we believe that an education in electrical engineering will prepare them for a productive professional experience, and we strive to provide them with the technical, team-working, communication, and professional skills necessary for success.

We establish the following Program Educational Objectives for our Electrical Engineering Program.

- Our graduates will meet or exceed the expectations of their employers in the electrical engineering workplace, or in other professional careers of their choosing.
- Our graduates will be prepared to pursue advanced studies in electrical engineering or in other disciplines if they so choose.
- Our graduates will engage in self-development activities that will allow them to adapt to evolving technical challenges and changing career opportunities.

Program Educational Objectives for BScP Degree

Preamble: Graduates of the Computer Engineering Program of the UH Cullen College of Engineering obtain employment in a wide variety of computer engineering fields. Some further their education to pursue careers in research, law, medicine, business, or other areas. Regardless of the career path they choose, we believe that an education in computer engineering will prepare them for a productive professional experience, and we strive to provide them with the technical, team-working, communication, and professional skills necessary for success.

We establish the following Program Educational Objectives for our Computer Engineering Program.

- Our graduates will meet or exceed the expectations of their employers in the computer engineering workplace, or in other professional careers of their choosing.
- Our graduates will be prepared to pursue advanced studies in computer engineering or in other
disciplines if they so choose.
• Our graduates will engage in self-development activities that will allow them to adapt to evolving technical challenges and changing career opportunities.

Program Outcomes for BSEE and BScpE Degrees

In accordance with ABET requirements, we have developed, in consultation with our constituencies, the following program outcomes for our Electrical and Computer Engineering Programs.

The Electrical Engineering Program and the Computer Engineering Program at the University of Houston will demonstrate that students attain:

• an ability to apply knowledge of mathematics, science, and engineering
• an ability to design and conduct experiments, as well as to analyze and interpret data
• an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
• an ability to function on multi-disciplinary teams
• an ability to identify, formulate, and solve engineering problems
• an understanding of professional and ethical responsibility
• an ability to communicate effectively
• the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
• a recognition of the need for, and an ability to engage in life-long learning
• a knowledge of contemporary issues
• an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Enrollment and Graduation Data

<table>
<thead>
<tr>
<th>BACHELOR’S DEGREES AWARDED BY ACADEMIC YEAR*</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Engr</td>
<td>8</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Electrical Engr</td>
<td>34</td>
<td>52</td>
<td>48</td>
<td>49</td>
<td>58</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENROLLMENT BY FALL TERM</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Engr</td>
<td>124</td>
<td>120</td>
<td>120</td>
<td>100</td>
<td>135</td>
<td></td>
</tr>
<tr>
<td>Electrical Engr</td>
<td>314</td>
<td>338</td>
<td>332</td>
<td>332</td>
<td>355</td>
<td></td>
</tr>
</tbody>
</table>

*The academic year includes the Spring and Summer semesters of the named year and the Fall semester of the year before. For example, the 2015 Academic Year includes Fall 2014, Spring 2015, and Summer 2015 graduates.
Contact Information

ABET can be contacted at http://www.abet.org.

© University of Houston Cullen College of Engineering, Department of Electrical and Computer Engineering