### Studies Plan

**Mineur : Science, Technology and Area Studies (STAS) - filière Chine 2017-18**

**Mineur : Science, technology and area studies (China)**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Language Code</th>
<th>Section</th>
<th>Teacher</th>
<th>Exam Session</th>
<th>Exam Credit</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembly techniques</td>
<td>F</td>
<td>MICRO-440</td>
<td>Chautems</td>
<td>Sum</td>
<td>Oral</td>
<td>3</td>
</tr>
<tr>
<td>Business design for IT services</td>
<td>E</td>
<td>CS-490</td>
<td>Wegmann</td>
<td>Sum</td>
<td>Oral</td>
<td>3</td>
</tr>
<tr>
<td>China Project III</td>
<td>E</td>
<td>HUM-498(c)</td>
<td>Laperrouza Profs divers</td>
<td>Win</td>
<td>During the semester</td>
<td>10</td>
</tr>
<tr>
<td>Conceptual design of products and systems</td>
<td>F</td>
<td>MICRO-443</td>
<td>Kejk</td>
<td>Sum</td>
<td>Oral</td>
<td>2</td>
</tr>
<tr>
<td>Design technologies for integrated systems</td>
<td>E</td>
<td>CS-472</td>
<td>De Micheli</td>
<td>Win</td>
<td>During the semester</td>
<td>6</td>
</tr>
<tr>
<td>Embedded motor control</td>
<td>F</td>
<td>MICRO-510</td>
<td>Hodder Köchli Pernard</td>
<td>Sum</td>
<td>Oral</td>
<td>2</td>
</tr>
<tr>
<td>Embedded systems</td>
<td>E</td>
<td>CS-473</td>
<td>Beuchat</td>
<td>Win</td>
<td>Oral</td>
<td>4</td>
</tr>
<tr>
<td>Fundamentals of computer aided manufacturing</td>
<td>E</td>
<td>ME-416</td>
<td>Kyritsis</td>
<td>Win</td>
<td>Written</td>
<td>5</td>
</tr>
<tr>
<td>Hardware systems modeling I</td>
<td>E</td>
<td>EE-432</td>
<td>Vachoux</td>
<td>Win</td>
<td>Written</td>
<td>2</td>
</tr>
<tr>
<td>Hardware systems modeling II</td>
<td>E</td>
<td>EE-433</td>
<td>Vachoux</td>
<td>Sum</td>
<td>Written</td>
<td>2</td>
</tr>
<tr>
<td>Human computer interaction</td>
<td>E</td>
<td>CS-486</td>
<td>Pu Faltings</td>
<td>Sum</td>
<td>During the semester</td>
<td>4</td>
</tr>
<tr>
<td>IC design I</td>
<td>F</td>
<td>EE-320</td>
<td>Carrara Dehollain</td>
<td>Win</td>
<td>Written</td>
<td>3</td>
</tr>
<tr>
<td>Industrial electronics I</td>
<td>E</td>
<td>EE-465</td>
<td>Dujic</td>
<td>Win</td>
<td>Oral</td>
<td>4</td>
</tr>
<tr>
<td>Industrial electronics II</td>
<td>E</td>
<td>EE-565</td>
<td>Dujic</td>
<td>Sum</td>
<td>Oral</td>
<td>4</td>
</tr>
<tr>
<td>Integrated circuits technology</td>
<td>E</td>
<td>EE-532</td>
<td>Sallese</td>
<td>Win</td>
<td>Written</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to China project I</td>
<td>E</td>
<td>HUM-498(b)</td>
<td>Laperrouza</td>
<td>Sum</td>
<td>During the semester</td>
<td>8</td>
</tr>
<tr>
<td>Introduction to project China I</td>
<td>E</td>
<td>HUM-498(a)</td>
<td>Laperrouza</td>
<td>Sum</td>
<td>During the semester</td>
<td>8</td>
</tr>
<tr>
<td>Lab in digital systems design</td>
<td>E</td>
<td>EE-397</td>
<td>Atienza Alonso Burg</td>
<td>Sum</td>
<td>During the semester</td>
<td>3</td>
</tr>
<tr>
<td>Lab in microelectronics</td>
<td>E</td>
<td>EE-490(c)</td>
<td>Décurnex</td>
<td>Win</td>
<td>During the semester</td>
<td>4</td>
</tr>
<tr>
<td>Lifecycle performance of product systems</td>
<td>E</td>
<td>ME-516</td>
<td>Friot Kyritsis</td>
<td>Sum</td>
<td>Oral</td>
<td>3</td>
</tr>
<tr>
<td>Materials selection</td>
<td>E</td>
<td>MSE-474</td>
<td>Michler Siegmann Vaucher</td>
<td>Sum</td>
<td>Written</td>
<td>2</td>
</tr>
<tr>
<td>Methods for rapid production and development</td>
<td>E</td>
<td>ME-415</td>
<td>Boillat</td>
<td>Sum</td>
<td>Oral</td>
<td>3</td>
</tr>
<tr>
<td>Microelectronics</td>
<td>E</td>
<td>MICRO-432</td>
<td>Farine</td>
<td>Win</td>
<td>Oral</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Code</th>
<th>Type</th>
<th>Instructor</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile networks</td>
<td>E</td>
<td>COM-405</td>
<td>SC</td>
<td>Hubaux</td>
<td>Sum Written 4</td>
</tr>
<tr>
<td>Production management</td>
<td>E</td>
<td>ME-419</td>
<td>GM</td>
<td>Yoo</td>
<td>Win Written 5</td>
</tr>
<tr>
<td>Real-time embedded systems</td>
<td>E</td>
<td>CS-476</td>
<td>IN</td>
<td>Beuchat</td>
<td>Sum During the 4 semester</td>
</tr>
<tr>
<td>Social media</td>
<td>E</td>
<td>EE-593</td>
<td>EL</td>
<td>Gillet Holzer</td>
<td>Sum During the 2 semester</td>
</tr>
<tr>
<td>Technology ventures in IC</td>
<td>E</td>
<td>CS-410</td>
<td>IN</td>
<td></td>
<td>Sum During the 4 semester</td>
</tr>
</tbody>
</table>