# Programme Structure

<table>
<thead>
<tr>
<th>1. Semester</th>
<th>2. Semester</th>
<th>3. Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematical Decision-Making and Data Analysis (5 ECTS)</td>
<td>Physics and Foods (5 ECTS)</td>
<td>Master Thesis (30 ECTS)</td>
</tr>
<tr>
<td>Food Processing (5 ECTS)</td>
<td>Product Design (5 ECTS)</td>
<td></td>
</tr>
<tr>
<td>Elective Compulsory Module* (5 ECTS)</td>
<td>Biochemistry and Molecular Biology (5 ECTS)</td>
<td></td>
</tr>
<tr>
<td>Elective Compulsory Module* (5 ECTS)</td>
<td>Elective Compulsory Module* (5 ECTS)</td>
<td></td>
</tr>
<tr>
<td>Elective Compulsory Module* (5 ECTS)</td>
<td>Elective Compulsory Module* (5 ECTS)</td>
<td></td>
</tr>
<tr>
<td>Elective Compulsory Module* (5 ECTS)</td>
<td>Elective Compulsory Module* (5 ECTS)</td>
<td></td>
</tr>
</tbody>
</table>

*Elective Compulsory Module*
* Depending on their specialisation, regular students can choose different “Compulsory Elective Modules”

Summer Semester:
- Advanced Topics in the Technology of Foods of Animal Origin (5 ECTS)
- Managerial Decision-Making Instruments (5 ECTS)
- Advanced Topics of Food Chemistry (5 ECTS)
- Industrial Microbiology (5 ECTS)
- Food Packaging and Transportation (5 ECTS)
- Health Aspects of Food Processing and Product Development (5 ECTS)
- Software-Based Simulation of Food Processing Operations (5 ECTS)

Winter Semester:
- Advanced Topics in the Technology of Foods of Plant Origin (5 ECTS)
- Biotechnology/Bioprocess Engineering (5 ECTS)
- Advanced Topics of Pharmaceutical Technology (5 ECTS)
- Strategic Management (5 ECTS)
- Process Modelling (5 ECTS)
- Risk Management (5 ECTS)
- Mathematical Decision-making and Data Analysis II (5 ECTS)