<table>
<thead>
<tr>
<th>Faculty of Architecture and Urban Planning</th>
<th>BACHELOR</th>
<th>MASTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Sc. + M.Sc.</td>
<td>Science</td>
<td>Communication Networks and Distributed Systems (Romanian)</td>
</tr>
<tr>
<td>Architecture (6 years of study, Bachelor and Master degrees)</td>
<td>Faculty of Materials and Information Technology</td>
<td>Artificial Intelligence and Vision (Romanian)</td>
</tr>
<tr>
<td></td>
<td>Faculty of Telecommunications</td>
<td>Software Engineering (Romanian)</td>
</tr>
<tr>
<td></td>
<td>Faculty of Electronics, Medical Engineering in Bistrița (Manufacturing Technology in Alba Iulia, Zalau, Satu Mare)</td>
<td>Information Technology in Economy (Romanian)</td>
</tr>
<tr>
<td></td>
<td>BACHELOR</td>
<td>Complementary Master in Computer Science (Romanian)</td>
</tr>
<tr>
<td></td>
<td>Faculty of Automation and Computer Science</td>
<td>Advanced Process Control (Romanian)</td>
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<tr>
<td></td>
<td>BACHELOR</td>
<td>Applied Informatics in Complex System Engineering (professional M.Sc.) (Romanian)</td>
</tr>
<tr>
<td></td>
<td>Faculty of Civil Engineering</td>
<td>Advanced Control of Manufacturing Processes (Romanian)</td>
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<tr>
<td></td>
<td>BACHELOR</td>
<td>Applied Informatics (Romanian)</td>
</tr>
<tr>
<td></td>
<td>Faculty of Machine Building</td>
<td>Information and Computing System Security (Romanian)</td>
</tr>
<tr>
<td></td>
<td>BACHELOR</td>
<td>Information Technology in Economy (Romanian)</td>
</tr>
<tr>
<td></td>
<td>Faculty of Electronics, Telecommunications and Information Technology</td>
<td>Sustainable Concrete Constructions (Romanian)</td>
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<tr>
<td></td>
<td>BACHELOR</td>
<td>Geotechnics Engineering (Romanian)</td>
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<tr>
<td></td>
<td>Faculty of Electrical Engineering</td>
<td>Project Management and Real Estate Evaluation (Romanian)</td>
</tr>
<tr>
<td></td>
<td>BACHELOR</td>
<td>Advanced Design of Timber and Steel Structures in Baia Mare (Romanian)</td>
</tr>
<tr>
<td></td>
<td>Faculty of Materials and Environmental Engineering</td>
<td>Green Buildings (Romanian)</td>
</tr>
<tr>
<td></td>
<td>BACHELOR</td>
<td>Green Buildings (Romanian)</td>
</tr>
</tbody>
</table>

**Faculty of Architecture and Urban Planning**
- B.Sc. + M.Sc.
- Architecture (6 years of study, Bachelor and Master degrees) in Romanian

**Faculty of Automation and Computer Science**
- Computer Science (Romanian, English)
- Information Technology (Romanian)
- Automation and Applied Informatics in Cluj-Napoca (Romanian, English)
- Automation and Applied Informatics in Satu Mare (Romanian)

**Faculty of Civil Engineering**
- Civil, Industrial and Agricultural Buildings in Cluj-Napoca (Romanian, English)
- Civil, Industrial and Agricultural Buildings in Baia Mare (Romanian)
- Railways, Roads and Bridges (Romanian)
- Hydroelectric Facilities and Buildings (Romanian)
- Urban Engineering and Regional Development (Romanian)
- Economic Engineering in Civil Engineering (Romanian)
- Land Measurements and Real Estate Register in Cluj-Napoca (Romanian)

**Faculty of Machine Building**
- Manufacturing Technology in Cluj-Napoca (Romanian, English, German)
- Manufacturing Technology in Alba Iulia, Zalau, Satu Mare (Romanian)
- Industrial Design in Cluj-Napoca (Romanian)
- Robotics in Cluj-Napoca (Romanian, English)
- Robotics in Bistrița (Romanian)
- Digital Production in Bistrița (Romanian)
- Industrial Economic Engineering in Cluj Napoca (Romanian, English)
- Industrial Economic Engineering in Alba Iulia, Bistrița, Satu Mare (Romanian)

**Faculty of Electronics, Telecommunications and Information Technology**
- Applied Electronics (Romanian, English)
- Telecommunications Technologies and Systems (Romanian, English)
- Economic Engineering in the Electrical, Electronic and Power Domains (Romanian)

**Faculty of Electrical Engineering**
- Electrotechnics (Romanian)
- Instrumentation and Data Acquisitions (Romanian)
- Power Electronics and Electric Drives (Romanian)
- Electro-mechanics (Romanian)
- Energy Management (Romanian)
- Medical Engineering in Cluj-Napoca (Romanian)
- Medical Engineering in Bistrița (Romanian)
- Economic Engineering in Electric, Electronic, and Power Systems (Romanian)

**Faculty of Materials and Environmental Engineering**
- Materials Science (Romanian)
- Materials Processing Engineering Cluj Napoca (Romanian)
- Engineering and Protection of Industrial Environment (Romanian)

**Curriculum**

**BACHELOR**

- **Science**
- **Faculty of Architecture and Urban Planning**
- **Faculty of Automation and Computer Science**
- **Faculty of Civil Engineering**
- **Faculty of Machine Building**
- **Faculty of Electronics, Telecommunications and Information Technology**
- **Faculty of Electrical Engineering**
- **Faculty of Materials and Environmental Engineering**

**MASTER**

- **Science**
- **Faculty of Architecture and Urban Planning**
- **Faculty of Automation and Computer Science**
- **Faculty of Civil Engineering**
- **Faculty of Machine Building**
- **Faculty of Electronics, Telecommunications and Information Technology**
- **Faculty of Electrical Engineering**
- **Faculty of Materials and Environmental Engineering**
<table>
<thead>
<tr>
<th>Faculty of Building Services</th>
<th>Installations in Buildings (Romanian)</th>
<th>Installations in Buildings (Romanian)</th>
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</thead>
<tbody>
<tr>
<td>Faculty of Automotive, Mechatronics and Mechanical Engineering</td>
<td>Road Vehicles (Romanian) Transport and Traffic Engineering (Romanian) Machines and Equipment for Agriculture and Food Industry (Romanian) Precision Mechanics and Nanotechnologies (Romanian) Thermal Systems and Equipment in Cluj-Napoca (Romanian) Thermal Systems and Equipment in Alba-Iulia (Romanian) Mechatronics (Romanian)</td>
<td>Vehicle and Environment (Romanian) Road Vehicle Control and Management Systems (Romanian) Advanced Techniques in Vehicles Engineering (Romanian, English) Transport Safety and Logistics (Romanian) Biosystems Engineering in Agriculture and Food Industry (Romanian) Precision Engineering and Quality Management (Romanian) Renewable Energy (Romanian) Mechatronic Systems Engineering (Romanian) Reliability and Maintenance of Mechanical Systems in Alba-Iulia (Romanian)</td>
</tr>
<tr>
<td>Faculty of Humanities (North University Center, Baia Mare)</td>
<td>Romanian Language and Literature – English Language and Literature Romanian Language and Literature – French Language and Literature Romanian Language and Literature (Romanian) Applied Modern Languages (English–French/German) Ethnology (Romanian) Philosophy (Romanian) Journalism (Romanian) Communication and Public Relations (Romanian) Social Work (Romanian) Fine Arts (Romanian) Pastoral Orthodox Theology (Romanian) Pedagogy of primary and preschool education (Romanian)</td>
<td>Romanian Literature and European Modernism (Romanian) The Romanian Language in European Context (space, culture, communication) (Romanian) French in Specialized Translations (Romanian) Ethno-Tourism/Ethnology and Cultural Tourism (Romanian) Theology and European Spirituality (Romanian) English Literature for Children and Youth (Romanian) Human Rights (Romanian) Social Assistance and Inclusion of the Elderly and the Disabled (Romanian) Reflexive Values of the Image in Contemporary Painting (Romanian) Comparative Studies in European Cultures and Civilisations (English)</td>
</tr>
<tr>
<td>Faculty of Sciences (North University Center, Baia Mare)</td>
<td>Informatics (Romanian) Mathematics Computer Science (Romanian) Chemistry (Romanian) Medical Chemistry (Romanian) Biology (Romanian) Food Products Engineering (Romanian) Control and Food Expertise (Romanian) Management (Romanian) Company Management (Romanian) Economic Informatics (Romanian)</td>
<td>Educational Mathematics (Romanian) Computer Science and Software Engineering (Romanian) Applied Biochemistry (Romanian) Analysis Methods Used in Environmental Quality Control and Products (Romanian) Educational Chemistry (Romanian) European Project Management (Romanian) Business Management (Romanian) Food Science and Safety (Romanian)</td>
</tr>
</tbody>
</table>

**PHD SPECIALIZATIONS**

- Architecture
- Computer Science and Information Technology
- System Engineering
- Civil and Building Services Engineering
- Electronic Engineering and Telecommunications
- Materials Engineering
- Environmental Engineering
- Industrial Engineering
- Engineering and Management
- Mechanical Engineering
- Mathematics
- Philology
- Philosophy
- Electrical Engineering