

3. INFORMATION ABOUT LITHUANIA, ŠIAULIAI AND ŠIAULIAI STATE COLLEGE

3.4. GENERAL DESCRIPTION OF STUDY PROGRAMMES

3.4.3. BUILDING (Code 653H21002)

Qualification Degree and/or Qualification: Professional Bachelor in Structural Engineering

Objectives of the programme:

To prepare a highly qualified civil engineer, able to work in the following areas of activity: the projection of constructional part of buildings, except buildings of special importance; construction of buildings; repair of buildings; organisation of company business activities.

Study modes: full-time, part-time

The structure of the study programme:

| 1 semester | | |
|-----------------------------------|---------|--------------|
| Subjects | Credits | ECTS credits |
| Mathematics | 4 | 6 |
| Chemistry | 2 | 3 |
| Applied Mechanics | 3 | 4.5 |
| Information Technologies | 3 | 4.5 |
| Engineering and Computer Graphics | 4 | 6 |
| Building Materials | 2 | 3 |
| Geodesy | 2 | 3 |
| Physical Education | | |
| Total: | 20 | 30 |

| 2 semester | | |
|--|---------|--------------|
| Subjects | Credits | ECTS credits |
| Philosophy of Technology | 2 | 3 |
| Mathematics | 2 | 3 |
| Building Materials | 2 | 3 |
| Physics | 4 | 6 |
| Building Structures (Course Project) | 5 | 7.5 |
| <i>Practice of Geodetic Measurements</i> | 2 | 3 |
| <i>Practice of Construction Work</i> | 3 | 4.5 |
| Physical Education | | |
| Total: | 20 | 30 |

| 3 semester | | |
|--------------------------------------|---------|--------------|
| Subjects | Credits | ECTS credits |
| <i>Elective Subjects:</i> | 4 | 6 |
| Professional English Language | | |
| Professional German Language | | |
| Professional Russian Language | | |
| Professional French Language | | |
| Building Structures (Course Project) | 2 | 3 |

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| 3 semester | | |
|--|---------|--------------|
| Subjects | Credits | ECTS credits |
| Electrotechnics | 2 | 3 |
| Engineering Systems of Buildings | 3 | 4.5 |
| Technology of Construction Work | 4 | 6 |
| Basics of Calculation of Building Structures | 3 | 4.5 |
| <i>Optional Subject</i> | 2 | 3 |
| Physical Education | | |
| Total: | 20 | 30 |

| 4 semester | | |
|---|---------|--------------|
| Subjects | Credits | ECTS credits |
| History of Architecture and Construction | 2 | 3 |
| Basics of Professional Language | 2 | 3 |
| Technology of Construction Work (Course Project) | 2 | 3 |
| Geotechnics | 2 | 3 |
| <i>Building Technology Practice</i> | 6 | 9 |
| <i>Elective Subjects:</i> | 4 | 6 |
| Reinforced Concrete Structures (Course Project) | | |
| Reinforced Concrete and Masonry Structures (Course Project) | | |
| <i>Optional Subject</i> | 2 | 3 |
| Physical Education | | |
| Total: | 20 | 30 |

| 5 semester | | |
|--|---------|--------------|
| Subjects | Credits | ECTS credits |
| Business Economics and Management (Course Paper) | 3 | 4.5 |
| Organisation of Construction (Course Project) | 3 | 4.5 |
| Technology of Repair Work | 2 | 3 |
| <i>Practice of Organisation of Construction</i> | 6 | 9 |
| <i>Elective Subjects:</i> | 4 | 6 |
| Metal Structures | | |
| Wooden and Plastic Structures | | |
| <i>Optional Subject</i> | 2 | 3 |
| Civil Safety | | |
| Total: | 20 | 30 |

| 6 semester | | |
|--------------------------------|---------|--------------|
| Subjects | Credits | ECTS credits |
| Rate-Setting and Estimates | 2 | 3 |
| Environmental and Human Safety | 2 | 3 |

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| | | |
|--------------------------------|----|----|
| Maintenance of Buildings | 2 | 3 |
| <i>Elective Subjects:</i> | 2 | 3 |
| Renovation of Buildings | | |
| Reconstruction of Buildings | | |
| <i>Pre-graduation Practice</i> | 4 | 6 |
| Final Project | 8 | 12 |
| Total: | 20 | 30 |