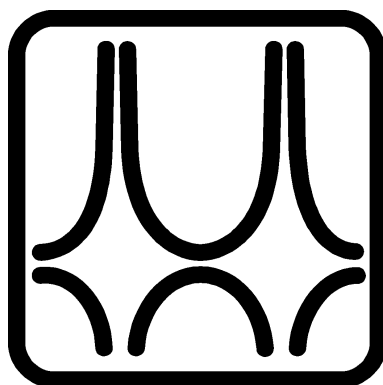




Budapest University of Technology and Economics

Timetable

**Full time students
Year 2024/25 - 1st Semester**



Faculty of Civil Engineering

Year 2024/25 1st semester calendar

| week | event(#)/odd(+) | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|------|-----------------|---|---|----------------------------|---|--------------------------------------|----------|--------|
| 0 | | 26-Aug State (Final) examination period start | 27-Aug Registration week | 28-Aug | 29-Aug | 30-Aug Opening ceremony | 31-Aug | 1-Sep |
| 1 | + | 2-Sep Study period start | 3-Sep | 4-Sep | 5-Sep | 6-Sep | 7-Sep | 8-Sep |
| 2 | # | 9-Sep | 10-Sep | 11-Sep | 12-Sep | 13-Sep | 14-Sep | 15-Sep |
| 3 | + | 16-Sep | 17-Sep Sport day | 18-Sep | 19-Sep | 20-Sep | 21-Sep | 22-Sep |
| 4 | # | 23-Sep | 24-Sep | 25-Sep | 26-Sep | 27-Sep State Exam per. end | 28-Sep | 29-Sep |
| 5 | + | 30-Sep | 1-Oct | 2-Oct | 3-Oct | 4-Oct | 5-Oct | 6-Oct |
| 6 | # | 7-Oct | 8-Oct | 9-Oct | 10-Oct | 11-Oct | 12-Oct | 13-Oct |
| 7 | + | 14-Oct | 15-Oct | 16-Oct | 17-Oct | 18-Oct | 19-Oct | 20-Oct |
| 8 | # | 21-Oct | 22-Oct | 23-Oct National Holiday | 24-Oct | 25-Oct | 26-Oct | 27-Oct |
| 9 | + | 28-Oct | 29-Oct | 30-Oct | 31-Oct | 1-Nov All Saints day | 2-Nov | 3-Nov |
| 10 | # | 4-Nov | 5-Nov | 6-Nov | 7-Nov | 8-Nov | 9-Nov | 10-Nov |
| 11 | + | 11-Nov | 12-Nov | 13-Nov | 14-Nov | 15-Nov | 16-Nov | 17-Nov |
| 12 | # | 18-Nov | 19-Nov | 20-Nov | 21-Nov Student Scientific Conference | 22-Nov | 23-Nov | 24-Nov |
| 13 | + | 25-Nov | 26-Nov | 27-Nov | 28-Nov | 29-Nov Open day | 30-Nov | 1-Dec |
| 14 | # | 2-Dec | 3-Dec | 4-Dec | 5-Dec | 6-Dec Study period end | 7-Dec | 8-Dec |
| | + | 9-Dec | 10-Dec | 11-Dec | 12-Dec | 13-Dec | 14-Dec | 15-Dec |
| | # | 16-Dec Exam per. start | 17-Dec | 18-Dec | 19-Dec | 20-Dec | 21-Dec | 22-Dec |
| | + | 23-Dec | 24-Dec | 25-Dec Christmas | 26-Dec Christmas | 27-Dec ----- winter holiday ----- | 28-Dec | 29-Dec |
| | # | 30-Dec ----- winter holiday ----- | 31-Dec | 1-Jan New Year | 2-Jan ----- winter holiday ----- | 3-Jan | 4-Jan | 5-Jan |
| | + | 6-Jan State (Final) examination period starts | 7-Jan | 8-Jan | 9-Jan | 10-Jan | 11-Jan | 12-Jan |
| | # | 13-Jan | 14-Jan | 15-Jan | 16-Jan | 17-Jan | 18-Jan | 19-Jan |
| | + | 20-Jan | 21-Jan | 22-Jan | 23-Jan | 24-Jan Exam per. end | 25-Jan | 26-Jan |
| | # | 27-Jan | 28-Jan grade registration end until 14:00 | 29-Jan | 30-Jan | 31-Jan State Exam per. end | 1-Feb | 2-Feb |

Study period

Repeat week

Exam period

Holiday

CIVIL ENGINEERING BSC FROM 2017 - SPECIALIZATION IN STRUCTURAL ENGINEERING

| Subject Name | Code | Credit | Lecture | Seminar | Laboratory | Consultation | Day | M/E/S | Semester | Semesters | | | | | | | | Preliminary Requirement(s) | |
|--|-------------|--------|---------|---------|------------|--------------|-----|-------|----------|-----------|----|----|----|----|----|----|---|----------------------------|-------------------|
| | | | | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| Core subjects | | | | | | | | | | | | | | | | | | | |
| English for Civil Engineering 1. | BMEGT60Z911 | 4 | 4 | | | | | M | 1 | X | | | | | | | | | |
| Surveying I. | BMEEOAFAT41 | 3 | 1 | 2 | | | | M | 1 | X | | | | | | | | | |
| Chemistry of Construction Materials | BMEEOEMAT41 | 2 | 2 | | | | | M | 1 | X | | | | | | | | | |
| Civil Engineering Representation and Drawing | BMEEOEMAT42 | 4 | 2 | 2 | | | | M | 1 | X | | | | | | | | | |
| CAD for Civil Engineers | BMEEOFTAT41 | 2 | 2 | | | | | M | 1 | X | | | | | | | | | |
| Geology | BMEEOGMAT41 | 3 | 1 | 2 | | | | E | 1 | X | | | | | | | | | |
| Basis of Statics and Dynamics | BMEEOTMAT41 | 6 | 4 | 5 | | | | E | 1 | X | | | | | | | | | |
| Mathematics A1a - Calculus | BMETE90AX00 | 6 | 4 | 2 | | | | E | 1 | X | | | | | | | | | |
| Physics for Civil Engineers | BMETE11AX13 | 2 | 2 | | | | | M | 1 | X | | | | | | | | | |
| English for Civil Engineering 2. | BMEGT60Z912 | 4 | 4 | | | | | M | 2 | | X | | | | | | | | |
| Surveying II. | BMEEOAFAT42 | 4 | 2 | 2 | | | | E | 2 | X | | | | | | | | EOAFAT41~ | |
| Construction Materials I. | BMEEOEMAT43 | 5 | 2 | | 2 | | | E | 2 | X | | | | | | | | EOEMAT41 | |
| Civil Engineering Informatics | BMEEOFTAT42 | 5 | 2 | | | | | M | 2 | X | | | | | | | | - | |
| Building Construction Study | BMEEOEMAT44 | 3 | 1 | 2 | | | | M | 2 | X | | | | | | | | EOEMAT42 | |
| Introduction to Strength of Materials | BMEEOTMAT42 | 6 | 4 | 5 | | | | M | 2 | X | | | | | | | | EOTMAT41 | TE90AX00~ |
| Hydraulics I. | BMEEOVVAT42 | 3 | 2 | 1 | | | | E | 2 | X | | | | | | | | - | |
| Mathematics A2a - Vector Functions | BMETE90AX02 | 6 | 4 | 2 | | | | E | 2 | X | | | | | | | | TE90AX00 | |
| Surveying Field Course | BMEEOAFAT43 | 3 | | | | | 9 | M | 3 | | X | | | | | | | EOAFAT42!~ | |
| Soil Mechanics | BMEEOGMAT42 | 4 | 2 | 2 | | | | M | 3 | | X | | | | | | | EOGMAT41 | EOTMAT42 |
| Geoinformatics | BMEEOFTAT43 | 3 | 2 | 1 | | | | M | 3 | | X | | | | | | | - | |
| Basis of Design | BMEEOHSAT41 | 3 | 2 | | | | | M | 3 | | X | | | | | | | EOTMAT41 | |
| Structural Analysis I. | BMEEOTMAT43 | 4 | 4 | | | | | E | 3 | | X | | | | | | | EOTMAT42 | TE90AX00 |
| Railway Tracks | BMEEOUVAT41 | 3 | 3 | | | | | E | 3 | | X | | | | | | | - | |
| Basics of Environmental Engineering | BMEEOVKAT41 | 3 | 2 | | | | | M | 3 | | X | | | | | | | - | |
| Public Works I. | BMEEOVKAT42 | 3 | 2 | 1 | | | | E | 3 | | X | | | | | | | EOVVAT42 | |
| Hydrology I. | BMEEOVVAT41 | 3 | 2 | 1 | | | | M | 3 | | X | | | | | | | - | |
| Mathematics A3 for Civil Engineers | BMETE90AX07 | 4 | 2 | 2 | | | | E | 3 | | X | | | | | | | TE90AX02 | |
| Earthworks | BMEEOGMAT43 | 3 | 2 | 1 | | | | E | 4 | | | X | | | | | | EOGMAT42 | |
| Steel Structures | BMEEOHSAT42 | 3 | 3 | | | | | M | 4 | | | X | | | | | | EOTMAT42 | EOEMAT43~ EOHSA41 |
| Reinforced Concrete Structures | BMEEOHSAT43 | 3 | 3 | | | | | M | 4 | | | X | | | | | | EOTMAT42 | EOEMAT43~ EOHSA41 |
| Roads | BMEEOUVAT42 | 2 | 2 | | | | | M | 4 | | | X | | | | | | EOUVAT41 | |
| Hydraulic Engineering, Water Manag. | BMEEOVVAT43 | 3 | 2 | 1 | | | | E | 4 | | | X | | | | | | EOVVAT41 | EOVVAT42 |
| Communication Skills for Civil Engineers | BMEGT60Z913 | 2 | 2 | | | | | M | 4 | | | X | | | | | | - | |
| Business Law | BMEGT55A001 | 2 | 2 | | | | | M | 4 | | | X | | | | | | - | |
| Foundation Engineering | BMEEOGMAT45 | 4 | 3 | | | | | E | 5 | | | | X | | | | | EOGMAT43 | |
| Management and Business Economics | BMEGT20A001 | 4 | 4 | | | | | M | 5 | | | | X | | | | | - | |
| Micro- and Macroeconomics | BMEGT30A001 | 4 | 4 | | | | | E | 6 | | | | | X | | | | - | |
| Construction Management | BMEEPEKAT41 | 3 | 2 | 1 | | | | M | 6 | | | | | X | | | | EOEMAT44 | EOGMAT42 |
| Urban and Regional Development | BMEEOUVAT43 | 3 | 2 | | | | | M | 7 | | | | | | X | | | - | |
| Optional subjects | | 4 | 4 | | | | | M | 7 | | | | | | | X | | | |
| Branch Subjects | | | | | | | | | | | | | | | | | | | |
| Building Construction I. | BMEEOEMAS42 | 3 | 1 | 2 | | | | E | 4 | | | X | | | | | | EOEMAT44 | |
| Timber Structures | BMEEOHSAS44 | 3 | 2 | | | | | M | 4 | | | X | | | | | | EOTMAT42 | EOHSAT41 |
| Strength of Materials | BMEEOTMAS41 | 3 | 2 | | | | | E | 4 | | | X | | | | | | EOTMAT43 | |
| Construction Materials II. | BMEEOEMAS41 | 3 | 1 | 2 | | | | E | 5 | | | | X | | | | | EOEMAT43 | |
| Building Construction II. | BMEEOEMAS43 | 3 | 1 | 2 | | | | E | 5 | | | | X | | | | | EOEMAS42 | |
| Steel and Composite Structures | BMEEOHSAS47 | 4 | 3 | | | | | M | 5 | | | | X | | | | | EOHSAT42 | EOHSAT43 |
| RC and Masonry Structures | BMEEOHSAS42 | 4 | 2 | 1 | | | | M | 5 | | | | X | | | | | EOHSAT43 | EOEMAS42 |
| Bridges and Infrastructures | BMEEOHSAS43 | 3 | 2 | | | | | E | 5 | | | | X | | | | | EOHSAT42 | EOHSAT43 |
| Laboratory Practice of Testing of Structures and Structural Analysis II. | BMEEOHSAS46 | 2 | | | 4 | | | M | 5 | | | | X | | | | | EOHSAT42 | EOHSAT43 |
| Rock Mechanics | BMEEOTMAS42 | 4 | 3 | 1 | | | | M | 5 | | | | X | | | | | EOTMAS41 | TE90AX07 |
| Underground Structures, Deep Found. | BMEEOGMAS41 | 3 | 1 | 1 | | | | M | 6 | | | | | X | | | | EOGMAT41 | |
| 3D Constructional Modelling of Structures | BMEEOGMAS42 | 3 | 2 | 1 | | | | M | 6 | | | | | X | | | | EOGMAT45 | |
| Design of Structures Projectwork | BMEEOHSAS45 | 3 | 2 | | | | | M | 6 | | | | | X | | | | EOHSAT42 | EOHSAT43 |
| Public Administration and Land Registry | BMEEOVDAS41 | 6 | | | 2 | | | M | 6 | | | | | | X | | | EOHSAS47 | EOHSAS42 |
| Field Course of Structural Geodesy | BMEEOVDAS41 | 6 | | | 2 | | | M | 6 | | | | | | | X | | EOHSAS47 | EOHSAS42 |
| Public Administration and Land Registry | BMEEOUVAT44 | 3 | 2 | | | | | M | 7 | | | | | | X | | | - | |
| Dynamics of Structures | BMEEOTMAS43 | 3 | 2 | | | | | M | 7 | | | | | | | X | | EOTMAT43 | TE90AX02 |
| Technical Internship | BMEEOVDAS42 | 0 | | | | 20 | | S | 7 | | | | | | | | | EOHSAS47 | EOHSAS42 |
| Specialization in Structural Engineering | | | | | | | | | | | | | | | | | | | |
| Steel Buildings | BMEEOHSA-A1 | 5 | 3 | 1 | | | | E | 6 | | | | | | X | | | EOHSAS47 | |
| Reinforced Concrete Buildings | BMEEOHSA-A2 | 5 | 3 | 1 | | | | E | 6 | | | | | | X | | | EOHSAS42 | EOHSAS44 |
| Building Construction Methodology | BMEEOEMA-A1 | 2 | 1 | 1 | | | | E | 7 | | | | | | | X | | EOEMAS43 | |
| Engineering Works | BMEEOHSA-B3 | 3 | 2 | | | | | E | 7 | | | | | | | X | | EOHSAT43 | EOHSAS43 |
| Structural Design Projectwork | BMEEOHSA-PP | 6 | | | 2 | | | M | 7 | | | | | | | X | | EODHAS41 | EOHSA-A1 |
| Preparatory Course for BSc Thesis Project | BMEEOHSA-PT | 9 | | | | | | M | 8 | | | | | | | | X | EOHSA-PP | EOHSA-A2 |
| Bachelor Thesis Project | BMEEOHSA-PS | 15 | | | | | | M | 8 | | | | | | | | | EODHA-PT | |
| Total number of credits | | 240 | | | | | | | 32 | 36 | 33 | 27 | 32 | 32 | 25 | 24 | | | |
| Total number of classes | | 184 | | | | | | | 31 | 33 | 28 | 25 | 28 | 22 | 16 | 0 | | | |
| Number of exams | | 23 | | | | | | | 3 | 4 | 4 | 4 | 4 | 3 | 1 | 0 | | | |
| Recommended Optional Subjects | | | | | | | | | | | | | | | | | | | |
| Reinforced Concrete Bridges | BMEEOHSA-B2 | 4 | 2 | 1 | | | | E | 6 | | | | | | X | | | EOHSAS42 | EOHSAS43 |
| Hungarian Language and Culture for SH Students 1 | BMEGT60Z9H1 | 2 | 4 | | | | | M | | X | | | | | | | | - | |
| Hungarian Language and Culture for SH Students 2 | BMEGT60Z9H2 | 2 | 4 | | | | | E | | | X | | | | | | | - | |
| Cross semesters: EMAT44, EMAS42, HSAT42, HSAT43, HSAS-A1, HSAS-A2, TMAT42, TMAS41, UVAT42, VVAT42, DHAS41, EKAT41 | | | | | | | | | | | | | | | | | | | |

A prerequisite with '!' mark indicates that the subject and the pre-required subject can be registered parallel (in the same semester).

A prerequisite with '~' mark indicates that it is enough to hold a signature from the pre-required subject in order to register the subject.

Mobility window is the 8. semester.

CIVIL ENGINEERING BSC FROM 2019 - SPECIALIZATION IN INFRASTRUCTURE ENGINEERING

| Subject Name | Code | Credit | Lecture | Seminar | Laboratory | Consultation | Day | M/E/S | Semester | Semesters | | | | | | | | Preliminary Requirement(s) |
|---|--------------|--------|---------|---------|------------|--------------|-----|-------|----------|-----------|----|----|----|----|----|----|------------------------|----------------------------|
| | | | | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Core subjects | | | | | | | | | | | | | | | | | | |
| English for Civil Engineering 1 | BMEGT60Z911 | 4 | 4 | | | | | M | 1 | X | | | | | | | | |
| Surveying 1 | BMEE0AFAT41 | 3 | 1 | 2 | | | | M | 1 | X | | | | | | | | |
| Chemistry of Construction Materials | BMEE0EMAT41 | 2 | 2 | | | | | M | 1 | X | | | | | | | | |
| Civil Engineering Representation and Drawing | BMEE0EMAT42 | 4 | 2 | 2 | | | | M | 1 | X | | | | | | | | |
| CAD for Civil Engineers | BMEE0FTAT41 | 2 | 2 | | | | | M | 1 | X | | | | | | | | |
| Geology | BMEE0GMAT41 | 3 | 1 | 2 | | | | E | 1 | X | | | | | | | | |
| Basis of Statics and Dynamics | BMEE0TMAT41 | 6 | 5 | | | | | E | 1 | X | | | | | | | | |
| Mathematics A1a - Calculus | BMETE90AX00 | 6 | 4 | 2 | | | | E | 1 | X | | | | | | | | |
| Physics for Civil Engineers | BMETE11AX13 | 2 | 2 | | | | | M | 1 | X | | | | | | | | |
| English for Civil Engineering 2 | BMEGT60Z912 | 4 | 4 | | | | | M | 2 | X | | | | | | | | |
| Surveying 2 | BMEE0AFAT42 | 4 | 2 | 2 | | | | E | 2 | X | | | | | | | EOAFAT41~ | |
| Construction Materials 1 | BMEE0EMAT43 | 5 | 2 | 2 | | | | E | 2 | X | | | | | | | EOEMAT41 | |
| Civil Engineering Informatics | BMEE0FTAT42 | 5 | 2 | 2 | | | | M | 2 | X | | | | | | | EOFTAT41 | |
| Building Construction Study | BMEE0EMAT44 | 3 | 1 | 2 | | | | M | 2 | | X | | | | | | EOEMAT42 | |
| Introduction to Strength of Materials | BMEE0TMAT42 | 6 | 5 | | | | | M | 2 | X | | | | | | | EOTMAT41 | TE90AX00~ |
| Hydraulics 1 | BMEE0VVAT42 | 3 | 2 | 1 | | | | E | 2 | X | | | | | | | - | |
| Mathematics A2a - Vector Functions | BMETE90AX02 | 6 | 4 | 2 | | | | E | 2 | X | | | | | | | TE90AX00 | |
| Surveying Field Course | BMEE0AFAT43 | 3 | | | | | 9 | M | 3 | | X | | | | | | EOAFAT42~ | |
| Soil Mechanics | BMEE0GMAT42 | 4 | 2 | 2 | | | | M | 3 | X | | | | | | | EOGMAT41 | EOTMAT42 |
| Geoinformatics | BMEE0FTAT43 | 3 | 2 | 1 | | | | M | 3 | | X | | | | | | EOAFAT42 | |
| Basis of Design | BMEE0HSAT41 | 3 | 2 | | | | | M | 3 | | X | | | | | | EOTMAT41 | |
| Structural Analysis 1 | BMEE0TMAT43 | 4 | 4 | | | | | E | 3 | | X | | | | | | EOTMAT42 | TE90AX00 |
| Railway Tracks | BMEE0UVAT41 | 3 | 3 | | | | | E | 3 | | X | | | | | | EOAFAT41 | |
| Basics of Environmental Engineering | BMEE0VKAT41 | 3 | 2 | | | | | M | 3 | | X | | | | | | - | |
| Public Works 1 | BMEE0VKAT42 | 3 | 2 | 1 | | | | E | 3 | | X | | | | | | EOVVAT42 | |
| Hydrology 1 | BMEE0VVAT41 | 3 | 2 | 1 | | | | M | 3 | | X | | | | | | - | |
| Mathematics A3 for Civil Engineers | BMETE90AX07 | 4 | 2 | 2 | | | | E | 3 | | X | | | | | | TE90AX02 | |
| Earthworks | BMEE0GMAT43 | 3 | 2 | 1 | | | | E | 4 | | X | | | | | | EOGMAT42 | |
| Steel Structures | BMEE0HSAT42 | 3 | 3 | | | | | M | 4 | | X | | | | | | EOTMAT42 | EOEMAT43~ EOHSAT41 |
| Reinforced Concrete Structures | BMEE0HSAT43 | 3 | 3 | | | | | M | 4 | | X | | | | | | EOTMAT42 | EOEMAT43~ EOHSAT41 |
| Roads | BMEE0UVAT42 | 2 | 2 | | | | | M | 4 | | X | | | | | | EOUVAT41 | |
| Hydraulic Engineering, Water Manag. | BMEE0VVAT43 | 3 | 2 | 1 | | | | E | 4 | | X | | | | | | EOVVAT41 | EOVVAT42 |
| Construction Management | BMEE0PEKAT41 | 3 | 2 | 1 | | | | M | 4 | | X | | | | | | EOEMAT44 | EOGMAT42 |
| Business Law | BMEGT55A001 | 2 | 2 | | | | | M | 4 | | X | | | | | | - | |
| Foundation Engineering | BMEE0GMAT45 | 4 | 3 | 0 | | | | E | 5 | | | X | | | | | EOGMAT43 | |
| Management and Business Economics | BMEGT20A001 | 4 | 4 | | | | | M | 5 | | | X | | | | | - | |
| Micro- and Macroeconomics | BMEGT30A001 | 4 | 4 | | | | | E | 6 | | | | X | | | | - | |
| Communication Skills for Civil Engineers | BMEGT60Z913 | 2 | 2 | | | | | M | 6 | | | | | X | | | - | |
| Urban and Regional Development | BMEE0UVAT43 | 3 | 2 | | | | | M | 7 | | | | | | X | | - | |
| Elective subject | | 4 | 4 | | | | | M | 7 | | | | | | | X | | - |
| Branch Subjects | | | | | | | | | | | | | | | | | | |
| Infrastructure CAD Course | BMEE0UVAI45 | 1 | | 2 | | | | M | 4 | | | X | | | | | EOUVAT41 | EOVKAT42 EOFTAT42 |
| Water Chemistry and Hydrobiology | BMEE0VKA143 | 3 | 2 | 1 | | | | E | 4 | | | X | | | | | EOVKAT41 | |
| * Legal Aspects of Water and Environment | BMEE0VKA145 | 2 | 2 | | | | | M | 4 | | | X | | | | | - | |
| Hydraulics 2 | BMEE0VVAI42 | 3 | 2 | 1 | | | | E | 4 | | X | | | | | | EOVVAT42 | |
| Highway and Railway Structures | BMEE0UVAI41 | 5 | 4 | | | | | E | 5 | | | X | | | | | EOUVAT41 | EOUVAT42 |
| Highway and Railway Design | BMEE0UVAI43 | 5 | 3 | 2 | | | | E | 5 | | X | | | | | | EOUVAT41 | EOUVAT42 EOAFAT43 |
| Public Works 2 | BMEE0VKA141 | 5 | 2 | 2 | | | | E | 5 | | X | | | | | | EOVKAT42 | |
| Urban Environment | BMEE0VKA142 | 3 | 2 | | 1 | | | M | 5 | | | X | | | | | EOVKAT41 | |
| Water Quality Management | BMEE0VKA144 | 3 | 2 | 1 | | | | M | 5 | | X | | | | | | EOVKA143 | EOVVAI42 |
| Hydrology 2 | BMEE0VVAI41 | 3 | 2 | 1 | | | | M | 5 | | | X | | | | | EOVVAT41 | |
| * Transportation Networks | BMEE0UVAI42 | 3 | 2 | | | | | M | 6 | | | X | | | | | EOUVAT42 | |
| * Highway and Railway Laboratory Practice | BMEE0UVAI44 | 1 | | 3 | | | | M | 6 | | | X | | | | | EOUVAI41 | |
| * Water Resources Management | BMEE0VVAI43 | 3 | 2 | | | | | E | 6 | | | X | | | | | EOVVAT43 | |
| Hydraulic Engineering Field Course | BMEE0VVAI44 | 2 | | | | 6 | | M | 6 | | | X | | | | | EOVVAI41 | EOVVAI42 |
| Infrastructure Study Project | BMEE0DHA141 | 6 | | | 2 | | | M | 6 | | | X | | | | | EOVVAT43 | EOUVAI43 EOVKAI41 |
| Public Administration and Land Registry | BMEE0UVAT44 | 3 | 2 | | | | | M | 7 | | | | X | | | | GT55A001 | |
| Earthworks and Drainage of Transportation Infr | BMEE0GMAI41 | 3 | 3 | | | | | E | 7 | | | | | X | | | EOGMAT43 | EOVVAT41 |
| Technical Internship | BMEE0DHA142 | 0 | | | | 20 | 5 | 7 | | | | | | | X | | EOVVAT43 | EOUVAI43 EOVKAI41 |
| Proposed Optional Branch Subjects | | | | | | | | | | | | | | | | | | |
| * Building Construction I. | BMEE0EAS42 | 3 | 1 | 2 | | | | E | 4 | | | X | | | | | EOEMAT44 | |
| * Timber Structures | BMEE0HSAS44 | 3 | 2 | | | | | M | 4 | | | X | | | | | EOTMAT42 | EOEMAT43 |
| * Construction Materials II. | BMEE0EAS41 | 3 | 1 | 2 | | | | E | 5 | | | X | | | | | EOEMAT43 | |
| * Bridges and Infrastructures | BMEE0HSAS43 | 3 | 2 | | | | | E | 5 | | | | X | | | | EOHSAT42 | EOHSAT43 |
| * Rock Mechanics | BMEE0GMA541 | 3 | 1 | 1 | | | | M | 6 | | | | | X | | | EOGMAT41 | |
| * Underground Structures, Deep Found. | BMEE0GMA542 | 3 | 2 | 1 | | | | M | 6 | | | | | X | | | EOGMAT45 | |
| Specialization in Infrastructure Engineering | | | | | | | | | | | | | | | | | | |
| Road Design | BMEE0UVA-E1 | 3 | 2 | | | | | E | 7 | | | | | | X | | EOUVAI43 | |
| Water Damage Prevention and Water Use | BMEE0VVA-F1 | 5 | 4 | | | | | E | 6 | | | | X | | | | EOVVAT43 | EOVVAI41 EOVVAI42 |
| Drinking Water and Wastewater Treatment | BMEE0VKA-H1 | 4 | 3 | | | | | E | 6 | | | | X | | | | EOVKA144 | |
| ** Railway Design | BMEE0UVA-E2 | 3 | 2 | | | | | E | 7 | | | | | X | | | EOUVAI43 | |
| ** River Basin Management | BMEE0VVA-F2 | 3 | 2 | | | | | E | 7 | | | | | X | | | EOVVAI43 | EOVKAI44 |
| ** Environmental Impact Assessment | BMEE0VKA-H3 | 3 | 3 | | | | | E | 7 | | | | | X | | | EOVKAI42 | EOVKAI44 EOVKAI45 |
| ** Transport Infrastructure Design Project | BMEE0UVA-QP | 6 | | | 2 | | | M | 7 | | | | | X | | | EODHAI41 | EOUVAI42 EOUVA-E2! |
| ** Hydraulic Engineering Design Project | BMEE0VVA-QP | 6 | | | 2 | | | M | 7 | | | | | X | | | EODHAI41 | EOUVA-F1 EOUVA-F2! |
| ** Urban Water Infrastructure Design Project | BMEE0VKA-QP | 6 | | | 2 | | | M | 7 | | | | | X | | | EODHAI41 | EOVKA-H1 EOVKA-H3! |
| Preparatory Course for BSc Thesis Project | BMEE0DHA-QT | 9 | | | | | | M | 8 | | | | | | X | | *EOUVA-QP *EOVVA-QP | *EOVKA-QP |
| Bachelor Thesis Project | BMEE0DHA-QS | 15 | | | | | | M | 8 | | | | | | X | | EODHA-QT! | |
| Total number of credits | | 240 | | | | | | | | 32 | 37 | 32 | 28 | 32 | 30 | 25 | 24 | |
| Total number of classes | | 184 | | | | | | | | 31 | 34 | 27 | 29 | 28 | 20 | 15 | 0 | |
| Number of exams | | 23 | | | | | | | | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 0 | |
| Recommended Optional Subjects | | | | | | | | | | | | | | | | | | |
| Field Course of Structural Geodesy | BMEE0AFAS42 | 1 | | 2 | | | | M | 7 | | | | | | X | | EOAFAT43 | EOHSAT42 EOHSAT43 |
| Satellite Positioning | BMEE0AFAG45 | 3 | 2 | | | | | E | 5 | | | | X | | | | EOAFAT43 | |
| The Digital Earth | BMEE0FTAG41 | 3 | 2 | 1 | | | | M | 5 | | | | X | | | | EOFTAT43 | |
| Hungarian Language and Culture for SH Student | BMEGT60Z9H1 | 2 | 4 | | | | | M | X | | | | | | | | - | |
| Hungarian Language and Culture for SH Student | BMEGT60Z9H2 | 2 | 4 | | | | | E | X | | | | | | | | - | |

* Note: Credits of the starred(*) Branch Subjects can be substituted by the credits of the Proposed Optional Branch Subjects as long as the preliminary requirements of the prospective specialisation subjects are fulfilled.

** Taking one project subject (UVA-QP or VVA-QP or VKA-QP) and its pre-requisites is mandatory in the specialization

A prerequisite with '!' mark indicates that the subject and the pre-required subject can be registered parallel (in the same semester).
A prerequisite with '~' mark indicates that it is enough to hold a signature from the pre-required subject in order to register the subject.
Mobility window is the 8. semester.

| BSc Civil Engineering 1st semester | | | | | students |
|------------------------------------|--|-------------------------|---|--|--|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-10:00 | EN1/2 English for Civil Eng. K.376, K.375 | EN2 Geology K.136 | EN3 Surveying I. K.f27k | EN1 Surveying I. K.f27b EN2 Surveying I. K.f27k EN1 CAD for Civil Eng. | EN5 Surveying I. K.f27l EN7 Surveying I. K.f27i |
| 10:15-12:00 | EN1 Civil Eng. Repr. K.184 EN2 Civil Eng. Repr. K.374 | EN1 Geology K.136 | EN1 Basis of Stat.&Dyn. K.mf78 EN2 Basis of Stat.&Dyn. K.f10 | EN6 Surveying I. K.f27i EN3 Geology K.136 EN5 CAD for Civil Eng. | EN4 Geology K.136 |
| 12:15-14:00 | *Geology BMEEOGMAT41 #Surveying I. BMEEOFAT41 | Chemistry for Civ. Eng. | EN3 Basis of Stat.&Dyn. K.375 University Experience 13-14 | | |
| 14:15-16:00 | EN1/2/3 Basis of Stat.&D. K.mf78, K.f10, K.375 | Mathematics A1a K.f88 | EN1/2 English for Civil Eng. K.376, K.375 | Hung Lang and Cult. SH 1. | EN4 Surveying I. K.f27l |
| 16:15-18:00 | EN1-EMK Math. A1a K.373 EN2-EMK Math. A1a K.374 | CE Physics K.f88 | Mathematics A1a K.f88 | Civil Eng. Representation K.f10 | |
| 18:15-20:00 | | | Hung Lang and Cult. SH 1. | | |

| BSc Civil Engineering 3rd semester | | | | | students |
|------------------------------------|---|--|--------------------------------------|--|----------------------------|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-10:00 | Structural Analysis I. K.f99 +Building Constr. St. | +EN1 Hydrology I. #EN2 Hydrology I. #EN1 Public Works K.mf31 +EN2 Public Works K.mf31 | CE Mathematics A3 K.376 | +Hydrology I. K.f10 | Geoinformatics K.389 |
| 10:15-12:00 | Basics of Env. Eng. K.mf30 | Structural Analysis. I. K.f88 | EN1 CE Mathematics EN3 K.373 | Soil Mechanics K.mf21 | Basis of Str. Design K.f12 |
| 12:15-14:00 | Public Works K.mf31 Hydraulics I. K.f15 | Railway Tracks K.f99 12:15-15:00 | Building Constr. St. K.183 | EN1 Soil Mechanics K.371 EN2 Soil Mechanics K.372 | |
| 14:15-16:00 | | EN1 Intr.to Str. of Mat. 15:15-18:00 | EN1 Intr.to Str. of Mat. 15:15-17:00 | +EN1 Hydraulics I. K.f10 #EN2 Hydraulics I. K.f10 | |
| 16:15-18:00 | EN1 Building Constr. Study | #EN3 Geoinformatics K.142a | | +EN1 Geoinformatics #EN2 Geoinformatics | |

| BSc Civil Engineering, Infrastructural Engineering 5th semester | | | | | students |
|---|--|--|---|---|-------------------------------|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-10:00 | Management & B.Econ. BMEGT20A001 | | Highway & Railway Str. BMEEOUVAI41; EN0 | +Highway and Railw. D. BMEEOUVAI43; EN0 | RC. Structures EL111 8-11 |
| 10:15-12:00 | Highway and Railw. D. EN1 | Water Quality Manag. BMEEOVKA144 EN0 K373 | Highway and Railw. D. BMEEOUVAI43 EN0 | Urban environment BMEEOVKA142 EN0 | Hydraulics 2 BMEEOVVAI42 9-12 |
| 12:15-14:00 | Highway & Railway Str. BMEEOUVAI41 EN0 | +Water Quality Manag. EN0 K373 #Hydrology 2 EN1 | Hydrology 2 BMEEOVVAI41 EN0 | | Earthworks BMEEOGMAT43 |
| 14:15-16:00 | Roads 14-16 K.371 | Public Works 2 EN0 | Management & B. Econ. BMEGT20A001 | Steel Structures K.f12 14:15-17:00 K.f12 | EN1 Earthworks 14-15 |
| 16:15-18:00 | Foundation Eng. K.mf21 Building C. I. K.184 | Public Works 2 EN1 16-18 | | | |

Civil Engineering Structural Engineering Infrastructural Eng. Cross semesters

| Specialization in Structural Engineering 5th semester | | | | | students |
|---|---|--|--|--|------------------------|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-10:00 | Management & B.Econ. BMEGT20A001 | RC & Masonry Str. K.f12 | #Constr. Management | Bridges and Infrastr. K.f88 | RC. Structures EL111 |
| 10:15-12:00 | BMEEOHSAS47 St. and Composite Str. K.f12 10-13 | + Building Constr. II. K.144 #EN1 RC and Masonry Str. K.f12 | +Structural Analysis II. #EN1 Structural Analysis II. | + Constr. Mat. II. M.M.P. | |
| 12:15-14:00 | | BMEEPEKAT41 Constr. Management K.389 | Structural An. II. Strength of Mat. K.mf78 | EN1 Construction Mat. II. EN2 Construction Mat. II. | Earthworks BMEEOGMAT43 |
| 14:15-16:00 | Roads 14-16 K.f99 Foundation Eng. K.mf21 | Testing of Str. & Materials EL111 & M.M.P. | Management & B. Econ. BMEGT20A001 | Steel Structures K.f12 14:15-17:00 K.f12 | EN1 Earthworks 14-15 |
| 16:15-18:00 | Building C. I. K.184 | | EN1 Building Constr. II. + Building Cnstr. I | | |

| Specialization in Structural Engineering 7th semester | | | | | students |
|---|---|--|----------------------------------|---|----------|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-10:00 | Reinf. Concr. Buildings K.f12 | Steel Buildings EL111 | Engineering Works K.f12 | Building C. M. K.f88 EN1 Building C. M. K.f88 | |
| 10:15-12:00 | Urban and Reg. Dev. K.f99 | + Reinf. Concr. Build. EL111 # EN1 RC Buildings EL111 | EN1 Structural D. Project. K.f12 | + Steel Buildings EL111 #EN1 Steel Buildings EL111 | |
| 12:15-14:00 | #EN1 Field C. of Str.Geod. 14-18 K.f27k | Public Adm. and Land R. K.389 | Dynamics of Structures K.375 | EN1 Design of Str. Project K.mf78 | |

Civil Engineering Structural Engineering Cross semesters Infrastructural Eng.

| Specialization in Infrastructural Engineering 7th semester | | | | | students |
|--|----------------------------|--|--|--|----------|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-10:00 | | #BMEEOVKA-H3 Environmental Impact Assessm | BMEEOVVA-F2 River Basin Management 8-11 | BMEEOVKA-H3 Environmental Impact Assessment | |
| 10:15-12:00 | Urban and Reg. Dev. K.f99 | | | | |
| 12:15-14:00 | BMEEOUVA-E1 Road Design | Public Adm. and Land R. K.389 | BMEEOUVA-E2 Railway Design | | |
| 14:15-16:00 | | | BMEEOGMAI41 Earthw. and D. of Tr. Infr. 14-17 | | |

Preliminary Program in Civil Engineering (MSc)

| 1-year Pre-MSc in fall semester | | | | | | | | |
|---|--------------------|---------------|----------------|----------------|-------------------|---------------------|------------|-----------------|
| <i>Subject</i> | <i>Neptun code</i> | <i>Credit</i> | <i>Lecture</i> | <i>Seminar</i> | <i>Laboratory</i> | <i>Consultation</i> | <i>M/E</i> | <i>Semester</i> |
| Foundation Engineering | BMEEOGMAT45 | 4 | 3 | | | | E | 1 |
| Steel and Composite Structures | BMEEOHSAS47 | 4 | 3 | | | | M | 1 |
| Laboratory Practice of Testing of Str. & Mat. | BMEEOHSAS46 | 2 | | | 4 | | M | 1 |
| Reinforced Concrete Structures | BMEEOHSAT43 | 3 | 3 | | | | M | 1 |
| Engineering Works | BMEEOHSAS-B3 | 3 | 2 | | | | E | 1 |
| Structural Analysis II. | BMEEOTMAS42 | 4 | 3 | 1 | | | M | 1 |
| Bridges and Infrastructures | BMEEOHSAS43 | 3 | 2 | | | | E | 1 |
| Design of Structures Projectwork | BMEEODHAS41 | 6 | | | | 2 | M | 1 |

| 1-year Pre-MSc in spring semester | | | | | | | | |
|---|--------------|---|---|---|--|---|---|---|
| Rock Mechanics | BMEEOGMAS41 | 3 | 1 | 1 | | | M | 2 |
| Underground Structures, Deep Found. | BMEEOGMAS42 | 3 | 2 | 1 | | | M | 2 |
| 3D Constructional Modelling of Structures | BMEEOHSAS45 | 3 | | 2 | | | M | 2 |
| Steel Buildings | BMEEOHSAS-A1 | 5 | 3 | 1 | | | E | 2 |
| Reinforced Concrete Buildings | BMEEOHSAS-A2 | 5 | 3 | 1 | | | E | 2 |
| Reinforced Concrete Bridges | BMEEOHSAS-B2 | 4 | 2 | 1 | | | E | 2 |
| Structural Design Projectwork | BMEEOHSAS-PP | 6 | | | | 2 | M | 2 |

STRUCTURAL ENGINEERING MSC PROGRAM

FROM 2017

| | Code | Credit | Lecture | Seminar | Laboratory | Consultation | Day | M/E/S | Semester | |
|--|---|-------------|---------|---------|------------|--------------|-----|-------|----------|--|
| Core Subjects | | | | | | | | | | |
| | Advanced Mathematics | BMETE90MX33 | 3 | 2 | 1 | | | E | 1 | |
| | Physics Laboratory | BMETE11MX22 | 1 | | | 1 | | M | 2 | |
| | Methods of Engineering Analysis | BMEEOHSMK51 | 3 | 1 | 1 | | | M | 1 | |
| | Numerical Methods | BMEEOFTMK51 | 4 | | | 3 | | M | 1 | |
| | Geodynamics | BMEEOGMMS51 | 3 | 2 | | | | M | 2 | |
| | FEM for Civil Engineers | BMEEOTMMS51 | 5 | 2 | 2 | | | E | 1 | |
| | Soil-Structure Interaction | BMEEOGMMS52 | 5 | 3 | 1 | | | M | 1 | |
| | Structures 1 | BMEEOHSM51 | 5 | 3 | 1 | | | E | 1 | |
| | Decision Supporting Methods | BMEEPEKMST4 | 2 | 2 | | | | M | 3 | |
| | Accounting, Controlling, Taxation | BMEGT35M014 | 2 | 2 | | | | M | 3 | |
| | Corporate Finance | BMEGT35M411 | 2 | 2 | | | | M | 3 | |
| | Engineering Ethics | BMEGT41M004 | 2 | 2 | | | | M | 3 | |
| | Optional Subjects | | 5 | | | | | | | |
| Specialization in Numerical Modeling | | | | | | | | | | |
| Obligatory Subjects | | | | | | | | | | |
| | Numerical modeling project | BMEEOTMMS5P | 5 | | | | 2 | M | 2 | |
| | Structural Dynamics | BMEEOTMMN-1 | 4 | 2 | 1 | | | M | 2 | |
| | Stability of Structures | BMEEOHSMT-2 | 4 | 2 | 1 | | | E | 2 | |
| | Nonlinear Mechanics | BMEEOTMMN-2 | 4 | 2 | 1 | | | E | 1 | |
| | Elective Subjects | | 11 | | | | | | | |
| | Diploma Project | BMEEODHMN-D | 20 | | | | | M | 3 | |
| Recommended Elective Subjects | | | | | | | | | | |
| | Plasticity | BMEEOTMMN61 | 3 | 1 | 1 | | | M | 2 | |
| | Nonlinear FEM | BMEEOTMMN62 | 3 | 2 | | | | M | 2 | |
| | Analysis of Rods and Frames | BMEEOTMMN63 | 3 | 1 | 1 | | | M | 2 | |
| | Discrete Element Method | BMEEOTMMN64 | 3 | 1 | 1 | | | M | 2 | |
| Specialization in Structures | | | | | | | | | | |
| Obligatory Subjects | | | | | | | | | | |
| | Structures project | BMEEOHSM5P | 5 | | | | 2 | M | 2 | |
| | Structures 2 | BMEEOHSM-1 | 4 | 2 | 1 | | | E | 2 | |
| | Stability of Structures | BMEEOHSM-2 | 4 | 2 | 1 | | | E | 2 | |
| | Seismic Design | BMEEOHSM-3 | 4 | 2 | 1 | | | M | 2 | |
| | Structural Dynamics | BMEEOTMMN-1 | 4 | 2 | 1 | | | M | 2 | |
| | Elective Subjects | | 7 | | | | | | | |
| | Diploma Project | BMEEODHMT-D | 20 | | | | | M | 3 | |
| Recommended Elective Subjects | | | | | | | | | | |
| | Applied Fracture Mechanics | BMEEOHSM61 | 4 | 2 | 1 | | | M | 2 | |
| | Prestressing Technologies | BMEEOHSM62 | 3 | 1 | 1 | | | M | 2 | |
| | Strengthening of Structures | BMEEOHSM63 | 3 | 1 | 1 | | | M | 2 | |
| Specialization in Geotechnics and Geology | | | | | | | | | | |
| Obligatory Subjects | | | | | | | | | | |
| | Geotechnics and engineering geology project | BMEEOGMMS5P | 5 | | | | 2 | F | 2 | |
| | Engineering Geology MSc | BMEEOGMMG-1 | 4 | 2 | 1 | | | V | 2 | |
| | Environmental Geology | BMEEOGMMG-2 | 4 | 2 | 1 | | | F | 1 | |
| | Geotechnical Design | BMEEOGMMG-3 | 4 | 2 | 1 | | | F | 2 | |
| | Earthworks of Infrastructures | BMEEOGMMG-4 | 4 | 2 | 1 | | | F | 2 | |
| | Elective Subjects | | 7 | | | | | | | |
| | Diploma Project | BMEEODHMG-D | 20 | | | | | F | 3 | |
| Recommended Elective Subjects | | | | | | | | | | |
| | Tunneling | BMEEOGMMG61 | 3 | 2 | | | | F | 2 | |
| | Hydrogeology | BMEEOGMMG62 | 3 | 2 | | | | F | 2 | |
| | Numerical Methods of Geotechnics | BMEEOGMMG63 | 3 | 1 | | 1 | | F | 1 | |
| | Engineering Geology of Hungary | BMEEOGMMG64 | 3 | 2 | | | | F | 2 | |

Mobility window is the 3. semester.

| | | Code | Credit | Lecture | Seminar | Laboratory | Consultation | Day | M/E/S | Semester |
|--|--|-------------|--------|---------|---------|------------|--------------|-----|-------|----------|
| Core Subjects | | | | | | | | | | |
| | Advanced Mathematics | BMETE90MX33 | 3 | 2 | 1 | | | | E | 1 |
| | Physics Laboratory | BMETE11MX22 | 1 | | | 1 | | | M | 2 |
| | Methods of Engineering Analysis | BMEEOHSMK51 | 3 | 1 | 1 | | | | M | 1 |
| | Numerical Methods | BMEEOFTMK51 | 4 | | | 3 | | | M | 1 |
| | Database Systems | BMEEOFTMI51 | 3 | | 2 | | | | M | 2 |
| | Environmental systems | BMEEOVKMI51 | 4 | 3 | | | | | E | 1 |
| | Ecology | BMEEOVKMI52 | 3 | 2 | | | | | M | 1 |
| | Engineering works of infrastructure | BMEEOHSMI51 | 3 | 2 | | | | | E | 2 |
| | Dewatering | BMEEOVKMI53 | 3 | 2 | | | | | M | 2 |
| | Environmental economics | BMEGT42M400 | 2 | 2 | | | | | M | 3 |
| | Accounting, Controlling, Taxation | BMEGT35M014 | 2 | 2 | | | | | M | 3 |
| | Corporate Finance | BMEGT35M411 | 2 | 2 | | | | | M | 3 |
| | Engineering Ethics | BMEGT41M004 | 2 | 2 | | | | | M | 3 |
| | Optional Subjects | | 5 | | | | | | | |
| Specialization in Highway and Railway Engineering | | | | | | | | | | |
| | Obligatory Subjects | | | | | | | | | |
| | Transport strategic planning | BMEEOUVMU-1 | 4 | 2 | 1 | | | | M | 1 |
| | Railway Station Design | BMEEOUVMU-2 | 4 | 2 | 1 | | | | E | 2 |
| | infrastructure Management Systems | BMEEOUVMU-3 | 3 | 2 | | | | | E | 2 |
| | Project Management in Transportation | BMEEOUVMU-4 | 2 | 2 | | | | | M | 1 |
| | Elective Subjects | | 17 | | | | | | | |
| | Diploma Project | BMEEODHMU-D | 20 | | | | | | M | 3 |
| | Recommended Elective Subjects | | | | | | | | | |
| | Transportation Modeling | BMEEOUVMU61 | 2 | 2 | | | | | M | 1 |
| | Railway Operation | BMEEOUVMU62 | 2 | 2 | | | | | M | 1 |
| | Pavement Structures | BMEEOUVMU63 | 5 | 4 | | | | | E | 2 |
| | Railway Track Structures | BMEEOUVMU64 | 4 | 2 | | | | | E | 1 |
| | Intelligent Transportation Systems | BMEEOFTMF61 | 3 | 1 | 1 | | | | M | 2 |
| | Economics of Civil Engineering Projects | BMEEOUVMU65 | 3 | 2 | | | | | M | 2 |
| | CAD Software in Road and Rail Design | BMEEOUVMU66 | 3 | 3 | | | | | M | 1 |
| Specialization in Water and Hydro-Environmental Engineering | | | | | | | | | | |
| | Obligatory Subjects | | | | | | | | | |
| | Water and wastewater treatment II. | BMEEOVKMV-1 | 4 | 3 | | | | | E | 1 |
| | Water quality monitoring | BMEEOVKMV-2 | 2 | 2 | | | | | M | 1 |
| | Modelling of Hydrosystems | BMEEOVVMV-1 | 4 | 2 | 1 | | | | E | 1 |
| | Hydromorphology | BMEEOVVMV-2 | 4 | 2 | | | | 3 | E | 2 |
| | Elective Subjects | | 16 | | | | | | | |
| | Diploma Project | BMEEODHMF-D | 20 | | | | | | M | 3 |
| | Recommended Elective Subjects | | | | | | | | | |
| | Design of Water-Use Structures | BMEEOVVMV61 | 4 | 2 | 1 | | | | M | 2 |
| | Design of Water Damage Prevention Structures | BMEEOVVMV62 | 4 | 2 | 1 | | | | M | 1 |
| | Groundwater | BMEEOVVMV63 | 3 | 2 | | | | | M | 2 |
| | Hydrography and Hydroinformatics | BMEEOVVMV64 | 5 | 2 | 2 | | | | M | 2 |
| | Water and wastewater treatment plants | BMEEOVKMV61 | 3 | 2 | 1 | | | | M | 2 |
| | Water quality management | BMEEOVKMV62 | 2 | 1 | 1 | | | | M | 2 |
| | Public water utility systems modelling | BMEEOVKMV63 | 4 | 2 | 1 | | | | M | 2 |
| | Reconstruction of public water utility systems | BMEEOVKMV64 | 3 | 2 | | | | | M | 1 |

Mobility window is the 3. semester.

Land Surveying and Geoinformatics Program

FROM 2021

| | Code | Credit | Lecture | Seminar | Laboratory | Consultation | Day | M/E/S | Semester |
|--|--------------|--------|---------|---------|------------|--------------|-----|-------|----------|
| Core Subjects | | | | | | | | | |
| Advanced Mathematics | BMETE90MX33 | 3 | 2 | 1 | | | | E | 1 |
| Physics Laboratory | BMETE11MX22 | 1 | | | 1 | | | M | 2 |
| Methods of Engineering Analysis | BMEEOHSMK51 | 3 | 1 | 1 | | | | M | 1 |
| Numerical Methods | BMEEOF7MK51 | 4 | | | 3 | | | M | 1 |
| Geophysics | BMEEOAFMF51 | 3 | 2 | | | | | M | 1 |
| Land Management | BMEEOAFMF52 | 3 | 2 | | | | | M | 1 |
| Adjustment calculations (MSc) | BMEEOAFMF53 | 4 | 2 | 1 | | | | E | 1 |
| Digital Earth | BMEEOF7TMF51 | 5 | 2 | 1 | | | | E | 1 |
| Accounting, Controlling, Taxation | BMEGT35M014 | 2 | 2 | | | | | M | 3 |
| Corporate Finance | BMEGT35M411 | 2 | 2 | | | | | M | 3 |
| Engineering Ethics | BMEGT41M004 | 2 | 2 | | | | | M | 3 |
| Optional Subjects | | 5 | | | | | | | |
| Specialization in Land Surveying and Geoinformatics | | | | | | | | | |
| Obligatory Subjects | | | | | | | | | |
| GNSS Theory and Applications | BMEEOAFMF-1 | 5 | 2 | 1 | | | | E | 2 |
| Information Technologies | BMEEOF7TMF-1 | 5 | 1 | 2 | | | | M | 1 |
| Automated Surveying | BMEEOAFMF-2 | 5 | 1 | 2 | | | | E | 2 |
| Applied Geoinformatics | BMEEOF7TMF-2 | 5 | 1 | 2 | | | | M | 2 |
| Mapping Technologies | BMEEOF7TMF-3 | 5 | 1 | 2 | | | | E | 2 |
| Recommended elective subjects | | 8 | 3 | 2 | | | | | |
| Diploma project | BMEEODHMF-D | 20 | | | | | | | 3 |
| Recommended Elective Subjects | | | | | | | | | |
| Physical Geodesy and Gravimetry | BMEEOAFMF61 | 4 | 2 | 1 | | | | M | 1 |
| Geodetic Networks and Projections | BMEEOAFMF62 | 3 | 2 | | | | | E | 2 |
| Intelligent Transportation Systems | BMEEOF7TMF61 | 3 | 1 | 1 | | | | M | 2 |
| ITS Geoinformatics | BMEEOF7TMF62 | 2 | | | | 2 | | M | 2 |

Mobility window is the 3. semester.

MSc program in Construction Information Technology Engineering

| English Name | Code | Credit | Lecture | Seminar | Laboratory | Consultation | Day | M/E**** | Semester**** | prerequisite |
|---|-------------|--------|---------|---------|------------|--------------|-----|---------|--------------|--------------|
| Core Subjects | | | | | | | | | | |
| Numerical Methods | BMEEOAFMB51 | 4 | | | 2 | | | E | 1 | |
| Construction Information Technology Mathematics | BMETE90MX63 | 3 | 2 | | | | | E | 1 | |
| Building Information Modelling | BMEEOFTMB51 | 3 | 2 | | | | | M | 1 | |
| Decision Support Methods | BMEEPEKMB51 | 2 | 2 | | | | | M | 1 | |
| Construction Information Technology Engineering Project | BMEEODHMB5P | 6 | | | | 2 | | M | 1 | |
| BIM Modelling and Design | BMEEOFTMB52 | 5 | | | 4 | | | E | 2 | BMEEOFTMB51 |
| Civil Engineering Automation, Modelling | BMEEOHSMB51 | 5 | 1 | 2 | | | | E | 2 | |
| Construction Information Technology Programming | BMEVIAUM051 | 6 | 1 | 4 | | | | M | 2 | BMEVIHIA061 |
| Complex Construction IT project | BMEEODHMB5K | 6 | | | | 2 | | M | 2 | BMEEODHMB5P |
| Argumentation, Negotiation, Presentation | BMEGT41MB51 | 3 | 2 | | | | | M | 3 | |
| Technology Assessment | BMEGT41MB52 | 2 | 2 | | | | | M | 3 | |
| *** Diploma Project | BMEEODHMB-D | 20 | | | | 1 | | M | 3 | |
| Obligatory and recommended Elective Subjects | | | | | | | | | | |
| 1 st Obligatory Elective Subject* | | 8 | 2 | 4 | | | | E | 1 | |
| 2 nd Obligatory Elective Subject* | | 4 | 1 | 2 | | | | M | 1 | |
| 1 st Recommended Elective Subject* | | 4 | 2 | 1 | | | | M | 2 | |
| 2 nd Recommended Elective Subject* | | 4 | 2 | 1 | | | | M | 2 | |
| Optional subjects | BMEEO | 5 | | | | | | M | 3 | |

*Students with a BSc degree in Civil Engineering or Architecture (Student Group I.)

| Obligatory Elective Subjects (at least 12 credits to complete) | | | | | | | | | | |
|---|-------------|---|---|---|---|--|--|---|---|-------------|
| Programming | BMEVIHIA061 | 8 | 2 | 4 | | | | E | 1 | |
| Database Systems | BMEEOFTMB-1 | 4 | 1 | 2 | | | | M | 1 | |
| Recommended Elective Subjects (at least 8 credits to complete) | | | | | | | | | | |
| Structural Dynamics | BMEEOTMMN-1 | 4 | 2 | 1 | | | | M | 2 | |
| Stability of Structures | BMEEOHSMT-2 | 4 | 2 | 1 | | | | E | 2 | |
| FEM for Engineers | BMEEOTMMB-2 | 4 | 1 | 2 | | | | M | 2 | |
| Numerical Methods in Geotechnics | BMEEOGMMB61 | 4 | 1 | | 1 | | | M | 2 | |
| Automated Survey Systems | BMEEOAFMB61 | 4 | 1 | 2 | | | | M | 2 | BMEVIHIA061 |
| Electrical Systems in Buildings | BMEVIVEM061 | 4 | 2 | | | | | E | 2 | |
| HVAC Basics | BMEGEÉÉNÉ01 | 4 | 2 | | | | | M | 2 | |

*Students with a BSc degree in Mechanical Engineering/ Energy Engineering/ Mechatronics Engineering/ Electrical Engineering/ Computer Science (Student Group II.)

| Obligatory Elective Subjects (at least 12 credits to complete) | | | | | | | | | | |
|---|-------------|---|---|---|--|--|--|---|---|-------------|
| Building Constructions | BMEEOEMMB-1 | 8 | 2 | 4 | | | | M | 1 | |
| Finite Element Modelling | BMEEOTMMB-1 | 4 | 1 | 2 | | | | E | 1 | |
| Recommended Elective Subjects (at least 8 credits to complete) | | | | | | | | | | |
| Construction Management | BMEEPEKMB61 | 4 | 2 | 1 | | | | M | 2 | BMEEOEMMB-1 |
| Civil Engineering Structures and Modelling | BMEEOHSMB61 | 4 | 2 | 1 | | | | M | 2 | BMEEOEMMB-1 |
| Constructions of Buildings and Structures | BMEEOEMMB61 | 4 | 2 | 1 | | | | M | 2 | BMEEOEMMB-1 |
| Modelling of Hydrosystems | BMEEOVVMV-1 | 4 | 2 | 1 | | | | M | 2 | |
| Electrical Systems in Buildings | BMEVIVEM061 | 4 | 2 | | | | | M | 2 | |
| HVAC Basics | BMEGEÉÉNÉ01 | 4 | 2 | | | | | M | 2 | |

Optional Subjects

| | | | | | | | | | | |
|---|-------------|---|---|--|--|--|----|---|---|--|
| ** Optional subject - internship (at company) | BMEEODHMV02 | 5 | | | | | 20 | M | 3 | |
| ** European Engineering Projectwork | BMEEOFTMX61 | 2 | 2 | | | | | F | 2 | |

*The committee of the MSc program divides the students into groups according to their previous BSc studies in order to unify the output competences that are acquired with the completion of the master's program

**Any subject from other MSc programs of the University can be chosen.

***Taking the Diploma project subject is only possible if the student accomplished 33 credits from the mutual Core Subjects, 12 credits from the subjects of their own Student Group and at least 51 credits as a sum of the above mentioned two types of subjects.

**** The listed numbers of the semesters present the suggested schedule according to the curriculum.

*****Midterm grade/ Exam

Semester of the mobility window: 3. In the case of external part-time education, a preliminary credit approval procedure must be initiated at the FCC.

| MSc Specialization in Structural Engineering Fall Semester | | | | | |
|--|--|--|--|---|--|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-9:00 | Engineering Ethics BMEGT41M004 EA E.205 | Decision Supporting M. BMEEPEKMST4 EA K.mf79 | Soil-Structure Inter. BMEEOGMMS52 EA K.f88 | EN1 Numerical Methods K.f27c | Num. Meth. of Geotech. BMEEOGMMG63 EA, K.mf21 |
| 9:15-10:00 | | | | | 01 Num. M. of Geotech. |
| 10:15-11:00 | Advanced Mathematics BMETE90MX33 EA K.f88 | Meth. of Eng. Analysis BMEEOHSMK51 EA, K.f88 | EN5 Numerical Methods | EN1 Structures Project BMEEOHSM5P K.mf78 | Nonlinear Mechanics BMEEOTMMN-2 EA K.mf78 |
| 11:15-12:00 | | EN1 Meth. of Eng. An. | | | |
| 12:15-13:00 | +EN1 Numerical Methods K.f27c | | FEM for Civil Eng. BMEEOTMMS51 EA K.f88 | EN3 Numerical Methods K.142a | EN1Nonlinear Mech. K.mf78 |
| 13:15-14:00 | #EN1 Advanced Math. K.f88 | | | | |
| 14:15-15:00 | +Structures I. K.f88 BMEEOHSM51 | Corporate Finance BMEGT35M411 EA K.mf79 | +Soil-Structure Inter. BMEEOGMMS52 EA, K.mf79 | Structures I. BMEEOHSM51 EA K.f88 | #EN3 Numerical Methods +EN5 Numerical Methods |
| 15:15-16:00 | #EN1 Structures I. K.f88 | | #EN1Soil-Structure Inter. | | Hung.Lang.and Cult. SH 1. Sz16_EOMSc_1,_2,_3. |
| 16:15-17:00 | # EN5 Numerical Methods EN2 Numerical Methods K.f27c | Accounting, Controll BMEGT35M014 EA K.mf79 | | EN1 FEM for Civil Eng. K.f88 | |
| 17:15-18:00 | | | | | |

| MSc Specialization in Numerical Modelling Fall Semester | | | | | |
|---|--|--|--|---|--|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-9:00 | Engineering Ethics BMEGT41M004 EA E.205 | Decision Supporting M. BMEEPEKMST4 EA K.mf79 | Soil-Structure Inter. BMEEOGMMS52 EA K.f88 | EN1 Numerical Methods K.f27c | Num. Meth. of Geotech. BMEEOGMMG63 EA, K.mf21 |
| 9:15-10:00 | | | | | 01 Num. M. of Geotech. |
| 10:15-11:00 | Advanced Mathematics BMETE90MX33 EA K.f88 | Meth. of Eng. Analysis BMEEOHSMK51 EA, K.f88 | EN5 Numerical Methods | EN1 Numerical Mod. Pr. BMEEOTMMS5P K.mf78 | Nonlinear Mechanics BMEEOTMMN-2 EA K.mf78 |
| 11:15-12:00 | | EN1 Meth. of Eng. An. | | | |
| 12:15-13:00 | +EN1 Numerical Methods K.f27c | | FEM for Civil Eng. BMEEOTMMS51 EA K.f88 | EN3 Numerical Methods K.142a | EN1Nonlinear Mech. K.mf78 |
| 13:15-14:00 | #EN1 Advanced Math. K.f88 | | | | |
| 14:15-15:00 | +Structures I. K.f88 BMEEOHSM51 | Corporate Finance BMEGT35M411 EA K.mf79 | +Soil-Structure Inter. BMEEOGMMS52 EA, K.mf79 | Structures I. BMEEOHSM51 EA K.f88 | #EN3 Numerical Methods +EN5 Numerical Methods |
| 15:15-16:00 | #EN1 Structures I. K.f88 | | #EN1Soil-Structure Inter. | | Hung.Lang.and Cult. SH 1. Sz16_EOMSc_1,_2,_3. |
| 16:15-17:00 | # EN5 Numerical Methods EN2 Numerical Methods K.f27c | Accounting, Controll BMEGT35M014 EA K.mf79 | | EN1 FEM for Civil Eng. K.f88 | |
| 17:15-18:00 | | | | | |

| MSc Specialization in Geotechnics and Geology Fall Semester | | | | | |
|---|--|--|--|---|--|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-9:00 | Engineering Ethics BMEGT41M004 EA E.205 | Decision Supporting M. BMEEPEKMST4 EA K.mf79 | Soil-Structure Inter. BMEEOGMMS52 EA K.f88 | EN1 Numerical Methods K.f27c | Num. Meth. of Geot. BMEEOGMMG63 EA, K.mf21 |
| 9:15-10:00 | | | | | 01 Num. M. of Geotech. |
| 10:15-11:00 | Advanced Mathematics BMETE90MX33 EA K.f88 | Meth. of Eng. Analysis BMEEOHSMK51 EA, K.f88 | EN5 Numerical Methods | EN1 Geotech. projekt BMEEOGMMS5P K.mf78 | Environmental Geol. BMEEOGMMG-2 EA K.136 |
| 11:15-12:00 | | EN1 Meth. of Eng. An. | | | |
| 12:15-13:00 | +EN1 Numerical Methods K.f27c | | FEM for Civil Eng. BMEEOTMMS51 EA K.f88 | EN3 Numerical Methods K.142a | 01Environm. Geology 12-13 |
| 13:15-14:00 | #EN1 Advanced Math. K.f88 | | | | |
| 14:15-15:00 | +Structures I. K.f88 BMEEOHSM51 | Corporate Finance BMEGT35M411 EA K.mf79 | +Soil-Structure Inter. BMEEOGMMS52 EA, K.mf79 | Structures I. BMEEOHSM51 EA K.f88 | #EN3 Numerical Methods +EN5 Numerical Methods |
| 15:15-16:00 | #EN1 Structures I. K.f88 | | #EN1Soil-Structure Inter. | | Hung.Lang.and Cult. SH 1. Sz16_EOMSc_1,_2,_3. |
| 16:15-17:00 | # EN5 Numerical Methods EN2 Numerical Methods K.f27c | Accounting, Controll BMEGT35M014 EA K.mf79 | | EN1 FEM for Civil Eng. K.f88 | |
| 17:15-18:00 | | | | | |

| | | | | |
|--------------------------|------------------------|---------------------|---------------------|----------|
| Core Subjects | Structural Engineering | Numerical Modelling | Geotechnics&Geology | Elective |
| Core Subjects (3st Sem.) | | | | |

| MSc Specialization in Highway and Railway Engineering Power Plants Fall Semester | | | | | |
|--|---|--|---|--|--|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-9:00 | Engineering Ethics BMEGT41M004 EA E.205 | Proj. Manag. in Transp. BMEEOUVMU-4 EA K.f99 | Railway Operation BMEEOUVMU62 EA ST428 | EN1 Numerical Methods K.f27c | Railway Track Struct. BMEEOUVMU64 EA K.f99 |
| 9:15-10:00 | | | | | |
| 10:15-11:00 | | | | | |
| 11:15-12:00 | Advanced Mathematics BMETE90MX33 EA K.f88 | Meth. of Eng. Analysis BMEEOHMS51 EA, K.f88 | Transport. Modeling BMEEOUVMU61 EA K.f99 | Transp. Strat. Plan. BMEEOUVMU-1 EA K.f99 | Railway Track Struct. BMEEOUVMU64 EA Kf99 |
| 12:15-13:00 | +EN1 Numerical Methods K.f27c | Ecology BMEEOVKMI52 EA K.mf30 | | 01 Transp. Strat. Plan. | |
| 13:15-14:00 | #EN1 Advanced Math. K.f88 | | | CAD Road and Rail Dsg. BMEEOUVMU66 EA Kf99 | Hung.Lang.and Cult. SH 1. Sz16_EOMSc_1,_2,_3. |
| 14:15-15:00 | | Corporate Finance BMEGT35M411 EA K.mf79 | Environment. Econo. BMEGT42A011 EA K.mf30 | | |
| 15:15-16:00 | | Accounting, Controll BMEGT35M014 EA K.mf79 | Environmental syst. BMEEOVKMI51 EA K.mf31 | | |
| 16:15-17:00 | | | | | |
| 17:15-18:00 | | | | | |
| 18-19 | | | | | |
| 19-20 | | | | | |

| MSc Specialization in Water and Hydro-Environmental Engineering Fall Semester | | | | | | |
|---|---|--|---|--|---|--|
| | Monday | Tuesday | Wednesday | Thursday | Friday | |
| 8:15-9:00 | Engineering Ethics BMEGT41M004 EA E.205 | EN4 Numerical Methods | Dsg. of Wa. Dam. Prev. BMEEOVVMV62 EA | EN1 Numerical Methods K.f27c | | |
| 9:15-10:00 | | | | | | |
| 10:15-11:00 | | | | | | |
| 11:15-12:00 | Advanced Mathematics BMETE90MX33 EA K.f88 | Meth. of Eng. Analysis BMEEOHMS51 EA, K.f88 | EN1 Dsg. of Wa. Dam. Prev. | Mod. of Hydrosys. BMEEOVVMV-1 EA | | |
| 12:15-13:00 | +EN1 Numerical Methods K.f27c | Ecology BMEEOVKMI52 EA K.mf30 | Reconstr.of water u.sys. BMEEOVKMV64 EA | EN1 Mod. of Hydrosys. | | |
| 13:15-14:00 | #EN1 Advanced Math. K.f88 | | | | | |
| 14:15-15:00 | +EN4 Numerical Methods | Corporate Finance BMEGT35M411 EA K.mf79 | Environment. Econo. BMEGT42A011 EA K.mf30 | Water&waste. Treat.II. BMEEOVKMV-1 EA K.mf31 | Hung.Lang.and Cult. SH 1. Sz16_EOMSc_1,_2,_3. | |
| 15:15-16:00 | | Accounting, Controll BMEGT35M014 EA K.mf79 | Environmental syst. BMEEOVKMI51 EA K.mf31 | Integrated W. Man. BMEEOVVMX61 EA | | |
| 16:15-17:00 | Water quality mon. BMEEOVKMV-2 EA | | | | | |
| 17:15-18:00 | | | | | | |
| 18-19 | | | | 01 Integrated W. Man. | | |
| 19-20 | | | | | | |

| MSc Specialization in Land Surveying and Geoinformatics Fall Semester | | | | | | | |
|---|---|--|---|---|--------|--|-------------------------|
| | Monday | Tuesday | Wednesday | Thursday | Friday | | |
| 8:15-9:00 | Engineering Ethics BMEGT41M004 EA E.205 | EN4 Numerical Methods | | EN1 Numerical Methods K.f27c | | | |
| 9:15-10:00 | | | | | | | |
| 10:15-11:00 | | | | | | | |
| 11:15-12:00 | Advanced Mathematics BMETE90MX33 EA K.f88 | Meth. of Eng. Analysis BMEEOHMS51 EA, K.f88 | Land Management BMEEOAFMF52 EA | Adjust. Calculat. BMEEOAFMF53 EA | | | |
| 12:15-13:00 | +EN1 Numerical Methods K.142b | Phys. Geod.& Grav. BMEEOAFMF61 EA | Digital Earth BMEEOFTMF51 EA | +EN1 Adjust. Calculat. | | | |
| 13:15-14:00 | #EN1 Advanced Math. K.f88 | | | | | | #EN1 Phys. Geod.& Grav. |
| 14:15-15:00 | +EN4 Numerical Methods | Corporate Finance BMEGT35M411 EA K.mf79 | +EN1 Digital Earth | | | | |
| 15:15-16:00 | | Accounting, Controll BMEGT35M014 EA K.mf79 | # Information Tech. BMEEOFTMF-1 | Geophysics BMEEOAFMF51 EA 15-17 | | | |
| 16:15-17:00 | | | | | | | |
| 17:15-18:00 | | | | | | | |
| 18-19 | | | | | | | |

| | | | |
|--------------------------|--|---------------------------|--------------------------|
| Core Subjects | Infrastructurel Branch | Highway and Railway Spec. | Water and Hydro-E. Spec. |
| Core Subjects (3rd Sem.) | Land Surveying and Geoinformatics Specialization | | |

| MSC in Construction Information Technology Engineering Plants Fall Semester | | | | | |
|---|--|--|--|----------|--------|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:15-9:00 | Programming BMEVIHIA061 | Building Information Modelling BMEEOFTMB51 EN0 | Programming EN1 K.142a | | |
| 9:15-10:00 | Building Constructions BMEEOEMMB-1 | | | | |
| 10:15-11:00 | Construction Information Technology Mathematics EN0 | Finite Element Modelling EN1 | Programming EN1 K.142a #Finite Element Modelling BMEEOTMMB-1 | | |
| 11:15-12:00 | BMETE90MX63 (K.f88) | | | | |
| 12:15-13:00 | Decision Support Methods BMEEPEKMB51 EN0 | | Numerical Methods EN1 | | |
| 13:15-14:00 | | | Numerical Methods EN2 | | |
| 14:15-15:00 | Database Systems BMEEOFTMB-1 EN0 14-16 | Building Constructions EN1 | Construction Information Technology Engineering Project EN1 | | |
| 15:15-16:00 | | | | | |
| 16:15-17:00 | Database Systems EN1 16-18 | | | | |
| 17:15-18:00 | Building Constructions EN1 16-18 | | | | |

| | |
|---------------|--|
| Core Subjects | Students with a BSc degree in Civil Engineering or Architecture (Student Group I.) |
| Core Subjects | Students with a BSc degree in Mechanical Engineering/ Energy Engineering/ Mechatronics Engineering/ Electrical Engineering/ Computer Science (Student Group II.) |