

Civil Engineering BSc - Structural Engineering Specialization

Full-time

2018 / 2019 Year 1st Semester

| No. | Group | Name of Subject | Kno. | Subject Code | 1 st Semester | 2 nd Semester | 3 rd Semester | 4 th Semester | 5 th Semester | 6 th Semester | 7 th Semester | 8 th Semester | Pre-requisites: | |
|-----|--|--|-----------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------|---|
| 1 | Basics of Natural Sciences Σ: 54 credits | Mathematics I. | 0 0 | MK3MAT1A08SX17-EN | 4 4 k 8 | | | | | | | | | |
| 2 | | Mathematics II. | 0 0 | MK3MAT2A06SX17-EN | | 2 4 k 6 | | | | | | | Mathematics I. | |
| 3 | | Descriptive Geometry | 0 0 | MK3MAT3A04SX17-EN | 0 4 é 4 | | | | | | | | | |
| 4 | | Informatics for Civil Engineers | 0 2 | MK3INF1A04SX17-EN | 0 4 é 4 | | | | | | | | | |
| 5 | | Civil Engineering Orientation | 2 0 | MK3MEC1S08SX17-EN | 4 2 é 8 | | | | | | | | | |
| 6 | | Statics | 2 0 | MK3MEC2S08SX17-EN | | 0 6 k 8 | | | | | | | | Civil Engineering Orientation |
| 7 | | Strength of Materials | 2 0 | MK3MEC3S08SX17-EN | | | 0 6 k 8 | | | | | | | Statics |
| 8 | | Dynamics | 2 0 | MK3MEC4S04SX17-EN | | | | 0 4 k 4 | | | | | | Civil Engineering Orientation |
| 9 | | Theory of Girders | 2 0 | MK3MEC5S04SS17-EN | | | | | 0 4 é 4 | | | | | Strength of Materials |
| 10 | Economics & Humanities Σ: 16 credits | Economics | 4 0 | MK3GAZ1M04SX17-EN | | 1 3 k 4 | | | | | | | | |
| 11 | | Construction Management | 4 1 | MK3MUM1M04SX17-EN | | | | | | 0 4 é 4 | | | | |
| 12 | | Management & Business Economics | 4 2 | MK3MEN1M04SX17-EN | | | | | | | | | 4 0 k 4 | |
| 13 | | State Administration, Low & Estate Registering | 4 0 | MK3GAZ2M04SX17-EN | | | | | | | | | 4 0 k 4 | |
| 14 | Civil Engineering Compulsory Subjects Σ: 92 credits | Civil Engineering Draw | 2 1 | MK3MAG1S06SX17-EN | 2 2 é 4 | | | | | | | | | |
| 15 | | Introduction to Building Construction | 2 1 | MK3MAG2S06SX17-EN | | 2 2 k 6 | | | | | | | | Descriptive Geometry, Civil Engineering Draw |
| 16 | | Civil Engineering CAD I. | 2 2 | MK3CAD1S04SX17-EN | | | 0 4 é 4 | | | | | | | Descriptive Geometry, Civil Engineering Draw |
| 17 | | Geoinformatics I. | 2 3 | MK3GEO1S06SX17-EN | | 4 2 é 6 | | | | | | | | Civil Engineering Orientation |
| 18 | | Geoinformatics II. | 2 3 | MK3GEO2S06SX17-EN | | | 4 2 k 6 | | | | | | | Geoinformatics I. |
| 19 | | Hydraulics & Hydrology I. | 2 4 | MK3VIZ1S06SX17-EN | | | | 4 2 k 6 | | | | | | Civil Engineering Orientation |
| 20 | | Introduction to Water Engineering | 2 4 | MK3VIZ2S06SX17-EN | | | | | 4 2 k 6 | | | | | Hydraulics & Hydrology I. |
| 21 | | Constructin Materials | 2 5 | MK3EPA1S06SX17-EN | | | 4 2 k 6 | | | | | | | Civil Engineering Orientation |
| 22 | | Geotechnics I. | 2 6 | MK3GTH1S06SX17-EN | | | | 4 2 k 6 | | | | | | Civil Engineering Orientation, Strength of Materials |
| 23 | | Geotechnics II. | 2 6 | MK3GTH2S06SX17-EN | | | | | 4 2 k 6 | | | | | Geotechnics I. |
| 24 | | Geotechnics III. | 2 6 | MK3GTH3S06SX17-EN | | | | | | 4 2 k 6 | | | | Geotechnics II. |
| 25 | | Theory of Transportation & Basics in Urban Planing | 2 7 | MK3KOZ1S06SX17-EN | | | 4 0 é 6 | | | | | | | Geoinformatics I. |
| 26 | | Planing & Design of Transport Facilities | 2 7 | MK3KOZ2S06SX17-EN | | | | 4 2 k 6 | | | | | | Theory of Transportation & Basics in Urban Planing |
| 27 | | Theory of Design & Approximate Calculations | 2 8 | MK3TAR1S04SX17-EN | | | | 4 0 é 4 | | | | | | Strength of Materials |
| 28 | | Steel Structures | 2 8 | MK3TAR2S06SX17-EN | | | | | 4 0 é 5 | | | | | Construction Materials, Theory of Design & Approximate Calculations |
| 29 | | Reinforced Concrete Structures | 2 8 | MK3TAR3S04SX17-EN | | | | | | 4 0 é 5 | | | | Construction Materials, Theory of Design & Approximate Calculations |
| 30 | | Bridges & Civil Engineering Structures | 2 8 | MK3TAR4S04SX17-EN | | | | | | | 4 0 k 4 | | | Steel Structures, RC Structures, Geotechnics III. |
| 31 | | Structural Engineering Specialization Σ: 56 credits | Building Construction | 2 1 | MK3MAG3S08SS17-EN | | | | | 2 4 é 8 | | | | Introduction to Building Construction |
| 32 | Building Design | | 2 1 | MK3MAG4S06SS17-EN | | | | | | 2 4 é 6 | | | | Building Construction |
| 33 | Steel Structures for Buildings | | 2 8 | MK3TAR5S06SS17-EN | | | | | | 4 2 k 6 | | | | Steel Structures |
| 34 | Reinforced Concrete Structures for Buildings | | 2 8 | MK3TAR7S06SS17-EN | | | | | | | 4 2 k 6 | | | Reinforced Concrete Structure |
| 35 | Timber & Masonry Structures | | 2 8 | MK3TAR8S04SB17-EN | | | | | | | 4 0 é 4 | | | Construction Materials, Theory of Design & Approximate Calculations |
| 36 | FEM Modelling | | 2 2 | MK3CAD2S05SB17-EN | | | | | | | 0 4 é 5 | | | Theory of Girders, Steel Structures, RC Structures |
| 37 | Structural Design Project | | 2 8 | MK3TAR9S06SB17-EN | | | | | | | 0 4 é 6 | | | Building Design |
| 38 | Structural Engineering Compulsory Exam | | | MK3KSS1S00SB17-EN | | | | | | | | | 0 0 k 0 | |
| 39 | Diploma Project | | MK3DIP1S15SB17-EN | | | | | | | | | 0 6 é 15 | | |
| 40 | Opt. Subj. Σ: 12 credits | Optional Subject I. | | | | | | | | | | 6 | | |
| 41 | | Optional subject II. | | | | | | | | | | | 6 | |
| 42 | Industrial & Laboratory Practices Σ: 10 credits | Geoinformatics Practice | 2 2 | MK3GEO3S02SX17-EN | | 2 days é 2 | | | | | | | | |
| 43 | | Industrial Practice | | MK3TCH1S04SX17-EN | | | | 6 weeks é 4 | | | | | | |
| 44 | | Structural Design Practice | 2 8 | MK3TAR6S02SB17-EN | | | | | | 2 days é 2 | | | | |
| 45 | | Material & Structural Engineering Laboratory | 2 4 | MK3EPA2S02SS17-EN | | | | | | 2 days é 2 | | | | |

1116 Sum of Lecture Hours
 1146 Sum of Seminar Hours
 2262 Sum of Contact Hours
 21 Sum of Exam
 23 Sum of Semester Mark
 1 Sum of Sign
 240 Credits
 24 Mean Contact Hours per Week

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|-----------------------|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|----|----|
| Sum: | 10 | 16 | 26 | 28 | 9 | 17 | 26 | 32 | 12 | 14 | 26 | 30 | 16 | 10 | 26 | 30 | 14 | 12 | 26 | 29 | 14 | 12 | 26 | 31 | 12 | 10 | 22 | 31 | 8 | 6 | 14 | 29 |
| Exam: | | | 1 | | | 4 | | | | | 3 | | | | 4 | | | | 2 | | | 2 | | | | | 2 | | | | 3 | |
| Semester Mark: | | | 4 | | | 2 | | | | | 2 | | | | 1 | | | | 3 | | | | | 5 | | | | 4 | | | 2 | |
| Sign: | | | 0 | | | 0 | | | | | 0 | | | | 1 | | | | 0 | | | | | 0 | | | 0 | | | 0 | | |

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|-----------------------------|-----|-----|---------------------------|-------|----------------------------|
| Fields of Knowledge: | 1. | 0 0 | Mathematics | M A T | 1 2 3 |
| | 2. | 0 2 | Informatics | I N F | 4 |
| | 3. | 2 0 | Mechanics | M E C | 5 6 7 8 9 |
| | 4. | 2 1 | Building Construction | M A G | 14 15 31 32 |
| | 5. | 2 2 | CAD | C A D | 16 36 |
| | 6. | 2 3 | Geoinformatics | G E O | 17 18 42 |
| | 7. | 2 4 | Water Engineering | V I Z | 19 20 |
| | 8. | 2 5 | Construction Materials | E P A | 21 45 |
| | 9. | 2 6 | Geotechnics | G T H | 22 23 24 |
| | 10. | 2 7 | Transport Engineering | K O Z | 25 26 |
| | 11. | 2 8 | Structural Engineering | T A R | 27 28 29 30 33 34 35 37 44 |
| | 12. | 2 9 | Environmental Engineering | K O R | |
| | 13. | 4 0 | Economics | G A Z | 10 13 |
| | 14. | 4 1 | Technical Manadgement | M U M | 11 |
| | 15. | 4 2 | Manadgement | M E N | 12 |
| | 16. | 4 3 | Special Manadgement | S P M | |

30th May, 2018., Debrecen

Coll. Prof. habil Dr. Edit SZÜCS PhD
 Dean of Faculty

Coll. Prof. Imre KOVÁCS PhD
 Head of Department of Civil Engineering

Coll. Prof. Imre KOVÁCS PhD
 Responsible for Degree Program