

**BME Pre-Engineering in Architecture - curriculum**

| Tantárgy                                      | Subject                                     | Subject code      | Semester | Type       | Credit | Requirement  | Hours 1 | Type 1   | Hours 2 | Type 2   |
|-----------------------------------------------|---------------------------------------------|-------------------|----------|------------|--------|--------------|---------|----------|---------|----------|
| English for Pre-Engineering 1.                | English for Pre-Engineering 1.              | BMEGT60LNGKA01-01 | 1        | Obligatory | 0      | Signature    | 6       | Practice |         |          |
| Mechanika                                     | Mechanics                                   | BMETETOP101       | 1        | Obligatory | 0      | Exam         | 2       | Theory   | 4       | Practice |
| Elektromosságtan                              | Electricity                                 | BMETETOP102       | 1        | Obligatory | 0      | Exam         | 2       | Theory   | 4       | Practice |
| Algebra 1                                     | Algebra 1                                   | BMETETOP103       | 1        | Obligatory | 0      | Exam         | 4       | Theory   |         |          |
| Geometria 1                                   | Geometry 1                                  | BMETETOP104       | 1        | Obligatory | 0      | Exam         | 4       | Theory   |         |          |
| English for Pre-Engineering 2.                | English for Pre-Engineering 2.              | BMEGT60LNGKA02-01 | 2        | Obligatory | 0      | Signature    | 6       | Practice |         |          |
| Rezgések, hullámok és termodinamika           | Vibration, Waves and Thermodynamics         | BMETETOP201       | 2        | Obligatory | 0      | Exam         | 2       | Theory   | 4       | Practice |
| Optika és atomfizika                          | Optics and Atomic Physics                   | BMETETOP202       | 2        | Obligatory | 0      | Exam         | 2       | Theory   | 4       | Practice |
| Algebra 2                                     | Algebra 2                                   | BMETETOP203       | 2        | Obligatory | 0      | Exam         | 4       | Theory   |         |          |
| Geometria 2                                   | Geometry 2                                  | BMETETOP204       | 2        | Obligatory | 0      | Exam         | 4       | Theory   |         |          |
| Haladó algebra                                | Advanced Algebra                            | BMETETOP208       | 2        | Elective   | 0      | Exam         | 2       | Theory   |         |          |
| Algoritmikus gondolkodás, programozás alapjai | Algorithmic Thinking, Basics of Programming | BMEVIAUPRE1       | 2        | Elective   | 0      | Midterm mark | 2       | Theory   |         |          |
| Digitális kompetenciák                        | Digital Competencies                        | BMEVIAUPRE2       | 2        | Elective   | 0      | Évközi jegy  | 2       | Theory   |         |          |