|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **COURSE CODE** | **COURSE NAME** |  | | | **COURSE CREDIT INFORMATION** | | | | **DEPARTMENT OF THE APPLICANT STUDENT** |
| **APPLIED DEPARTMENT: MECHANICAL ENGINEERING** | | | | | | | | | **INDUSTRIAL ENGINEERING** |
| **1. SEMESTER** | | **T** | **L** | **P** | | **C** | **ECTS** | **R/E** |  |
| MATH 101 | CALCULUS I | 4 | 0 | 2 | | 5 | 6 | R | EXEMPT |
| PHYS 101 | PHYSICS I | 3 | 0 | 0 | | 3 | 4 | R | EXEMPT |
| PHYS 101L L | PHYSICS LABORATORY | 0 | 2 | 0 | | 1 | 2 | R | EXEMPT |
| CHEM 101  101 | GENERAL CHEMISTRY | 3 | 0 | 2 | | 4 | 6 | R | EXEMPT |
| ME 121 | ENGINEERING DRAWING I | 3 | 0 | 0 | | 2 | 3 | R | **COMPULSORY** |
| CS 101 | INTRODUCTION TO PROGRAMMING I | 3 | 2 | 0 | | 4 | 6 | R | EXEMPT |
| ENEN 101 | ENGLISH FOR ENGINEERS I | 4 | 0 | 0 | | 4 | 4 | R | EXEMPT |
| TURK 101 | TURKISH LANGUAGE I | 2 | 0 | 0 | | 2 | 2 | R | EXEMPT |
| **2. SEMESTER** | | **T** | **L** | **P** | | **C** | **ECTS** | **R/E** |  |
| MATH 102 | CALCULUS II | 4 | 0 | 2 | | 5 | 6 | R | EXEMPT |
| PHYS 102 | PHYSICS II | 3 | 0 | 0 | | 3 | 4 | R | EXEMPT |
| PHYS 102L | PHYSICS II LABORATUVAR | 0 | 2 | 0 | | 1 | 2 | R | EXEMPT |
| MATH 201 | LINEAR ALGEBRA | 4 | 0 | 0 | | 4 | 5 | R | EXEMPT |
| ME 122 | ENGINEERING DRAWING II | 0 | 2 | 1 | | 2 | 3 | R | EXEMPT |
| ME 112 | STATICS (MECHANICS I) | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ENEN 102 | ENGLISH FOR ENGINEERS II | 4 | 0 | 0 | | 4 | 4 | R | EXEMPT |
| TURK 102 | TURKISH LANGUAGE II | 2 | 0 | 0 | | 2 | 2 | R | EXEMPT |
| **3. SEMESTER** | | **T** | **L** | **P** | | **C** | **ECTS** | **R/E** |  |
| MATH 202 | DIFFERANTIAL EQUATIONS | 4 | 0 | 0 | | 4 | 5 | R | EXEMPT |
| ME 201 | FUND. OF E&E ENGINEERING | 2 | 1 | 0 | | 3 | 4 | R | **COMPULSORY** |
| ME 211 | STRENGTH OF MATERIALS I | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 213 | DYNAMICS (MECHANICS II) | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 221 | MATERIALS SCIENCE | 2 | 2 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 241 | THERMODYNAMICS I | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| HIST 101 | ATATURK'S PRINCIPLES AND REV. HIST. I | 2 | 0 | 0 | | 2 | 2 | R | EXEMPT |
| **4. SEMESTER** | | **T** | **L** | **P** | | **C** | **ECTS** | **R/E** |  |
| ME 202 | PROGRAMMING FOR ENGINEERS | 2 | 2 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 204 | MEASUREMENT TECHNIQUES | 2 | 0 | 1 | | 3 | 5 | R | **COMPULSORY** |
| ME 212 | STRENGTH OF MATERIALS II | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 214 | FLUID MECHANICS I | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 222 | DESIGN AND MANUFACTURING I | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 242 | THERMODYNAMICS II | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| HIST 102 | ATATURK'S PRINCIPLES AND REV. HIST. II | 2 | 0 | 0 | | 2 | 2 | R | EXEMPT |
| **5. SEMESTER** | | **T** | **L** | **P** | | **C** | **ECTS** | **R/E** |  |
| MATH 211 | PROBABILITY AND STATISTICS FOR ENG.  FOR ENGINEERING | 3 | 0 | 0 | | 3 | 5 | R | EXEMPT |
| MATH 300 | NUMERICAL ANALYSIS FOR ENG. | 4 | 0 | 0 | | 4 | 5 | R | EXEMPT |
| ME 311 | FLUID MECHANICS II | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 321 | MACHINE ELEMENTS I | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 323 | DESIGN AND MANUFACTURING II | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 341 | HEAT TRANSFER I | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 300 | SUMMER INTERNSHIP I | 0 | 0 | 0 | | 0 | 0 | R | **COMPULSORY** |
| **6.SEMESTER** | | **T** | **L** | **P** | | **C** | **ECTS** | **R/E** |  |
| ME 322 | MACHINE ELEMENTS II | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 342 | HEAT TRANSFER II | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 352 | MECHANICAL VIBRATIONS | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| ME 354 | MECHANISMS | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| AE 4XXX | AREA ELECTIVES (DEPT. ELECTIVE) | 3 | 0 | 0 | | 3 | 5 | E | **COMPULSORY** |
| AE 4XXX | AREA ELECTIVES (DEPT. ELECTIVE) | 3 | 0 | 0 | | 3 | 5 | E | **COMPULSORY** |
| **7.SEMESTER** | | **T** | **L** | **P** | | **C** | **ECTS** | **R/E** |  |
| ME 451 | SYSTEM DYNAMICS AND CONTROL | 3 | 0 | 0 | | 3 | 5 | R | **COMPULSORY** |
| GEN 200 | ENGINEERING ECONOMICS | 3 | 0 | 0 | | 3 | 4 | R | EXEMPT |
| ME 400 | SUMMER INTERNSHIP II | 0 | 0 | 0 | | 0 | 0 | R | EXEMPT |
| GEN 401 | WORKER'S HEALTH AND WORK SAFETY I | 2 | 0 | 0 | | 2 | 2 | R | EXEMPT |
| NAE 401 | NON AREA ELECTIVE | 3 | 0 | 0 | | 3 | 5 | E | EXEMPT |
| AE 4XXX | AREA ELECTIVES (DEPT. ELECTIVE) | 3 | 0 | 0 | | 3 | 5 | E | **COMPULSORY** |
| AE 4XXX | AREA ELECTIVES (DEPT. ELECTIVE) | 3 | 0 | 0 | | 3 | 5 | E | **COMPULSORY** |
| AE 4XXX | AREA ELECTIVE | 3 | 0 | 0 | | 3 | 5 | E | EXEMPT |
| **8. SEMESTER** | | **T** | **L** | **P** | | **C** | **ECTS** | **R/E** |  |
| ME 402 | SENIOR PROJECT | 0 | 0 | 6 | | 0 | 6 | R | **COMPULSORY** |
| GEN 402 | WORKER'S HEALTH AND WORK SAFETY II | 2 | 0 | 0 | | 2 | 2 | R | EXEMPT |
| GEN 404 | INOVATION AND ENTREPRENEURSHIP | 2 | 0 | 0 | | 2 | 2 | R | EXEMPT |
| NAE 402 | NON AREA ELECTIVE | 3 | 0 | 0 | | 3 | 5 | R | EXEMPT |
| AE 4XXX | AREA ELECTIVE | 3 | 0 | 0 | | 3 | 5 | R | EXEMPT |
| AE 4XXX | AREA ELECTIVE | 3 | 0 | 0 | | 3 | 5 | R | EXEMPT |
| AE 4XXX | AREA ELECTIVE | 3 | 0 | 0 | | 3 | 5 | R | EXEMPT |

**NOT:** According to the "Double Major and Minor Program Directive between Associate and Undergraduate Degree Programs of Antalya Bilim University" the minimum total credit required for undergraduate level double major programs is 120 ECTS (Major Learning Time x 30 ECTS). According to the current double major curriculum, the total number of compulsory courses required by the relevant students is 133 ECTS.