

| OSTIM TECHNICAL UNIVERSITY | | | | | | | | | | |
|----------------------------|----------|-------------|-------------|--|--------|----------|-----|---------|------|--------------|
| ENGINEERING FACULTY | | | | | | | | | | |
| MECHANICAL ENGINEERING | | | | | | | | | | |
| Class | Semester | Course Type | Course Code | Course Name | Theory | Practice | Lab | Credits | ECTS | Prerequisite |
| 1 | 1 | Compulsory | ENG 101 | Academic English I | 3 | 0 | 0 | 3 | 3 | |
| 1 | 1 | Compulsory | EPR 121 | Fundamentals of Entrepreneurship | 0 | 2 | 0 | 1 | 1 | |
| 1 | 1 | Compulsory | ATA 101 | Principles of Ataturk and History of Turkish Revolution I | 2 | 0 | 0 | 2 | 2 | |
| 1 | 1 | Compulsory | TUR 101 | Turkish 101 | 2 | 0 | 0 | 2 | 2 | |
| 1 | 1 | Compulsory | IUL 151 | Introduction to University Life | 2 | 0 | 0 | 2 | 2 | |
| 1 | 1 | Compulsory | CENG 109 | Programming and Computation I | 3 | 0 | 0 | 3 | 4 | |
| 1 | 1 | Compulsory | CHEM 101 | Engineering Chemistry | 3 | 0 | 1 | 4 | 4 | |
| 1 | 1 | Compulsory | MATH 101 | Engineering Mathematics I | 4 | 0 | 0 | 4 | 6 | |
| 1 | 1 | Compulsory | PHYS 101 | Engineering Physics I | 3 | 0 | 2 | 4 | 6 | |
| | | | | | 22 | 2 | 3 | 26 | 30 | |
| Class | Semester | Course Type | Course Code | Course Name | Theory | Practice | Lab | Credits | ECTS | Prerequisite |
| 1 | 2 | Compulsory | ENG 102 | Academic English II | 3 | 0 | 0 | 3 | 3 | |
| 1 | 2 | Compulsory | TUR 102 | Turkish 102 | 2 | 0 | 0 | 2 | 2 | |
| 1 | 2 | Elective | EPR 122 | Entrepreneur Project | 0 | 2 | 0 | 1 | 1 | |
| 1 | 2 | Compulsory | IUL 152 | Building of Future | 1 | 0 | 0 | 1 | 1 | |
| 1 | 2 | Compulsory | ATA 102 | Principles of Ataturk and History of Turkish Revolution II | 2 | 0 | 0 | 2 | 2 | |
| 1 | 2 | Compulsory | MEC 104 | Technical Drawing | 2 | 2 | 0 | 3 | 4 | |
| 1 | 2 | Compulsory | MATH 102 | Engineering Mathematics II | 4 | 0 | 0 | 4 | 6 | MATH 101 |
| 1 | 2 | Compulsory | PHYS 102 | Engineering Physics II | 3 | 0 | 2 | 4 | 6 | |
| 1 | 2 | Compulsory | WED 128 | Workplace Education | 0 | 4 | 0 | 2 | 1 | |
| 1 | 2 | Compulsory | MATH 201 | Linear Algebra with Engineering Applications | 3 | 0 | 0 | 3 | 4 | |
| | | | | | 20 | 8 | 2 | 25 | 30 | |
| Class | Semester | Course Type | Course Code | Course Name | Theory | Practice | Lab | Credits | ECTS | Prerequisite |
| 2 | 3 | Compulsory | MEC 207 | Manufacturing Technology I | 3 | 1 | 0 | 4 | 3 | |
| 2 | 3 | Compulsory | WAP 227 | Workplace Application I | 0 | 6 | 0 | 3 | 3 | |
| 2 | 3 | Compulsory | EEE 201 | Electrical Circuits I | 4 | 0 | 0 | 4 | 4 | |
| 2 | 3 | Compulsory | MATH 202 | Differential Equations | 4 | 0 | 0 | 4 | 6 | |
| 2 | 3 | Compulsory | MEC 213 | Material Science | 3 | 0 | 0 | 3 | 4 | |
| 2 | 3 | Compulsory | MEC 201 | Statics | 3 | 0 | 0 | 3 | 3 | |
| 2 | 3 | Compulsory | MEC 205 | Thermodynamics I | 3 | 0 | 0 | 3 | 4 | |
| 2 | 3 | Compulsory | ENG 221 | Academic English III | 3 | 0 | 0 | 3 | 3 | |
| | | | | | 23 | 7 | 0 | 27 | 30 | |
| Class | Semester | Course Type | Course Code | Course Name | Theory | Practice | Lab | Credits | ECTS | Prerequisite |
| 2 | 4 | Compulsory | WAP 228 | Workplace Application II | 0 | 6 | 0 | 3 | 3 | |
| 2 | 4 | Compulsory | MATH 203 | Applied Mathematics for Engineers | 3 | 0 | 0 | 3 | 5 | |
| 2 | 4 | Compulsory | MATH 208 | Manufacturing Technology II | 3 | 0 | 0 | 3 | 4 | |
| 2 | 4 | Compulsory | MEC 202 | Strength of Materials | 3 | 0 | 0 | 3 | 5 | |
| 2 | 4 | Compulsory | MEC 204 | Dynamics | 3 | 0 | 0 | 3 | 5 | |
| 2 | 4 | Compulsory | MEC 206 | Thermodynamics II | 3 | 0 | 0 | 3 | 5 | |
| 2 | 4 | Compulsory | ENG 222 | Academic English IV | 3 | 0 | 0 | 3 | 3 | |
| | | | | | 18 | 6 | 0 | 21 | 30 | |
| Class | Semester | Course Type | Course Code | Course Name | Theory | Practice | Lab | Credits | ECTS | Prerequisite |
| 3 | 5 | Compulsory | WAP 327 | Workplace Application III | 0 | 6 | 0 | 3 | 3 | |
| 3 | 5 | Compulsory | MATH 301 | Numerical Methods and Scientific Computing | 3 | 0 | 0 | 3 | 5 | |
| 3 | 5 | Compulsory | MEC 301 | System Dynamics and Control Theory | 3 | 0 | 0 | 3 | 4 | MEC 204 |
| 3 | 5 | Compulsory | MEC 305 | Fluid Mechanics | 3 | 0 | 0 | 3 | 5 | |
| 3 | 5 | Compulsory | MEC 303 | Machine Theory | 3 | 0 | 0 | 3 | 4 | |
| 3 | 5 | Compulsory | MEC 309 | Machine Elements I | 3 | 0 | 0 | 3 | 5 | MEC 202 |
| 3 | 5 | Compulsory | LCE 301 | Civil Law for Engineers | 1 | 0 | 0 | 1 | 1 | |
| 3 | 5 | Compulsory | NTE 1 | Non-Technical Elective Course I | 3 | 0 | 0 | 3 | 3 | |
| | | | | | 19 | 6 | 0 | 22 | 30 | |
| Class | Semester | Course Type | Course Code | Course Name | Theory | Practice | Lab | Credits | ECTS | Prerequisite |
| 3 | 6 | Compulsory | WEX 328 | Workplace Experience I | 0 | 6 | 0 | 3 | 3 | |
| 3 | 6 | Compulsory | MEC 302 | Experimental Engineering | 2 | 2 | 0 | 3 | 4 | |
| 3 | 6 | Compulsory | MATH 204 | Probability and Statistics for Engineers | 3 | 0 | 0 | 3 | 5 | |
| 3 | 6 | Compulsory | MEC 306 | Heat Transfer | 3 | 0 | 0 | 3 | 4 | MEC 205 |
| 3 | 6 | Compulsory | MEC 308 | Machine Elements II | 3 | 0 | 0 | 4 | 4 | MEC 307 |
| 3 | 6 | Elective | ELEC 1 | Technical Elective Elective I | 3 | 0 | 0 | 3 | 5 | |
| 3 | 6 | Elective | ELEC 2 | Technical Elective Elective II | 3 | 0 | 0 | 3 | 5 | |
| | | | | | 17 | 8 | 0 | 22 | 30 | |
| Class | Semester | Course Type | Course Code | Course Name | Theory | Practice | Lab | Credits | ECTS | Prerequisite |
| 4 | 7 | Compulsory | WEX 427 | Workplace Experience II | 0 | 6 | 0 | 3 | 3 | |
| 4 | 7 | Compulsory | MEC 405 | Graduation Project I | 0 | 2 | 0 | 1 | 2 | |
| 4 | 7 | Compulsory | MEC 405 | Machine Design | 3 | 0 | 0 | 3 | 5 | |
| 4 | 7 | Elective | ELEC 3 | Technical Elective Course III | 3 | 0 | 0 | 3 | 5 | |
| 4 | 7 | Elective | ELEC 4 | Technical Elective Course IV | 3 | 0 | 0 | 3 | 5 | |
| 4 | 7 | Elective | ELEC 5 | Technical Elective Course V | 3 | 0 | 0 | 3 | 5 | |
| 4 | 7 | Elective | ELEC 6 | Technical Elective Course VI | 3 | 0 | 0 | 3 | 5 | |
| | | | | | 15 | 8 | 0 | 19 | 30 | |
| Class | Semester | Course Type | Course Code | Course Name | Theory | Practice | Lab | Credits | ECTS | Prerequisite |
| 4 | 8 | Compulsory | WEX 428 | Workplace Experience III | 0 | 30 | 0 | 15 | 22 | |
| 4 | 8 | Compulsory | MEC 406 | Graduation Project II | 0 | 10 | 0 | 5 | 8 | |
| | | | | | 0 | 40 | 0 | 20 | 30 | |