

IŞIK ÜNİVERSİTESİ
MÜHENDİSLİK FAKÜLTESİ
ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ
LİSANS DERS PROGRAMI (2021-2022 AKADEMİK YILINDA BAŞLAYANLAR)

| ECTS 1. Semester | | | | Prerequisite | | ECTS 2. Semester | | | | Prerequisite | |
|------------------|---------------------------|---------------------------------------|-------|--------------|----|---------------------------|--------------------------------|-------|----------|--------------|--|
| 5 | MATH1111 | Calculus I | 3+2+0 | - | 5 | MATH1112 | Calculus II | 3+2+0 | MATH1111 | | |
| 5 | PHYS1111 | Physics - Mechanics | 3+0+0 | - | 5 | COMP1103 | Introduction to Programming | 3+0+2 | - | | |
| 1 | PHYS1113 | Physics - Mechanics Laboratory | 0+0+2 | - | 5 | MATH2104 | Linear Algebra | 3+0+0 | - | | |
| 5 | CORE0201 | Nature, Science, Human I | 3+0+0 | - | 5 | CORE0202 | Nature, Science, Human II | 3+0+0 | - | | |
| 3 | CORE0501 | Art, Society, Human | 2+0+0 | - | 3 | CORE0108 | Major Works | 2+0+0 | - | | |
| 2 | CORE0101 | History of Turkish Republic I | 2+0+0 | - | 2 | CORE0102 | History of Turkish Republic II | 2+0+0 | - | | |
| 4 | ENGL1101 | Academic English Skills I | 3+0+0 | - | 4 | ENGL1102 | Academic English Skills II | 4+0+0 | - | | |
| 2 | CORE0103 | Turkish I | 2+0+0 | - | 2 | CORE0104 | Turkish II | 2+0+0 | - | | |
| 1 | CORE0105 | Orientation | 0+1+0 | - | | | | | | | |
| 1 | ITEC1001 | Computer Literacy for Engineers | | | | | | | | | |
| 29 | Total of Semester Credits | | | | 31 | Total of Semester Credits | | | | | |
| ECTS 3. Semester | | | | Prerequisite | | ECTS 4. Semester | | | | Prerequisite | |
| 7 | INDE2001 | Operations Research I | 3+0+2 | MATH2104 | 7 | INDE2002 | Operations Research II | 3+0+2 | INDE2001 | | |
| 6 | MATH2201 | Probability | 3+1+0 | MATH1112 | 5 | INDE2452 | Engineering Economy | 3+0+0 | - | | |
| 6 | MATH2105 | Calculus III | 3+2+0 | MATH1112 | 6 | INDE2156 | Engineering Statistics | 3+0+0 | MATH2201 | | |
| 1 | CORE0106 | Career Planning | 0+1+0 | - | 6 | MATH2107 | Differential Equations | 3+2+0 | MATH1111 | | |
| 3 | CORE0402 | Ethics Law and Society | 2+0+0 | - | 6 | MATH2103 | Discrete Mathematics | 3+1+0 | - | | |
| 4 | CORE0401 | Society, Science and Human | 3+0+0 | - | | | | | | | |
| 3 | CORE0107 | Creative Thinking and Problem Solving | 1+1+0 | - | | | | | | | |
| 30 | Total of Semester Credits | | | | 30 | Total of Semester Credits | | | | | |
| ECTS 5. Semester | | | | Prerequisite | | ECTS 6. Semester | | | | Prerequisite | |
| 6 | INDE3103 | System Simulation | 3+0+1 | INDE2156 | 6 | INDE2211 | Industrial Production Systems | 3+0+0 | - | | |
| 6 | BUSI3111 | Financial and Cost Accounting | 3+0+0 | - | 6 | INDE3314 | Quality Planning and Control | 3+0+0 | INDE2156 | | |
| 6 | INDE3001 | Operations Research III | 3+1+0 | MATH2201 | 6 | BUSI4573 | Business Project Mgmt. | 3+0+1 | - | | |
| 6 | INDE3312 | Production & Service Ops. Planning | 3+0+0 | INDE2001 | 6 | INDE3151 | Forecasting Methods | 3+1+0 | INDE2156 | | |
| 4 | INDE3145 | Computational Methods in IE | 3+0+0 | COMP1103 | 6 | INDE4003 | OR Modeling Applications | 3+0+0 | INDE2002 | | |
| 2 | INDE3920 | Summer Practice I | | | | | | | | | |
| 30 | Total of Semester Credits | | | | 30 | Total of Semester Credits | | | | | |
| ECTS 7. Semester | | | | Prerequisite | | ECTS 8. Semester | | | | Prerequisite | |
| 1 | ENGR4901 | Int. to Design Projects | 1+0+0 | Senior | 7 | INDE4912 | Graduation Design Project | 0+0+6 | ENGR4901 | | |
| 5 | ECON1005 | Int. to Economics | 3+0+0 | - | 5 | INDE-AE-III | Area Elective III | 3+0+0 | * | | |
| 5 | INDE-AE-I | Area Elective I | 3+0+0 | * | 5 | INDE-AE-IV | Area Elective IV | 3+0+0 | * | | |
| 5 | INDE-AE-II | Area Elective II | 3+0+0 | * | 5 | INDE-AE-V | Area Elective V | 3+0+0 | * | | |
| 5 | INDE-GE-I | General Elective I (Free) | 3+0+0 | - | 5 | INDE-GE-III | General Elective III (Comp) | 3+0+0 | - | | |
| 5 | INDE-GE-II | General Elective II (Comp) | 3+0+0 | - | 2 | OHES4412 | Occup. Health & Safety II | 2+0+0 | - | | |
| 2 | OHES4411 | Occup. Health & Safety I | 2+0+0 | - | | | | | | | |
| 3 | INDE4920 | Summer Practice II | | | | | | | | | |
| 31 | Total of Semester Credits | | | | 29 | Total of Semester Credits | | | | | |