

| Ders Kodu                      | Ders Adı                             | T         | U        | Krd       | AKTS      |
|--------------------------------|--------------------------------------|-----------|----------|-----------|-----------|
| <b>1. YARIYIL 1. SINIF GÜZ</b> |                                      | <b>20</b> | <b>6</b> | <b>21</b> | <b>31</b> |
| 152111017                      | CALCULUS I                           | 4         | 0        | 4         | 5         |
| 152111004                      | TÜRK DİLİ I                          | 2         | 0        | 0         | 2         |
| 152111005                      | PHYSICS I                            | 3         | 0        | 3         | 3         |
| 152111006                      | PHYSICS I LAB                        | 0         | 2        | 1         | 2         |
| 152111018                      | ENGINEERING GRAPHICS                 | 1         | 2        | 2         | 3         |
| 152111019                      | INTRODUCTION TO PROGRAMMING          | 3         | 0        | 3         | 5         |
| 152111011                      | INTRODUCTION TO PROGRAMMING LAB      | 0         | 2        | 1         | 2         |
| 152111012                      | INTRODUCTION TO COMPUTER ENGINEERING | 2         | 0        | 2         | 3         |
| 152111013                      | ADVANCED READING AND WRITING         | 3         | 0        | 3         | 4         |
| 151011208                      | ATATÜRK İLKE VE İNK TARİHİ I         | 2         | 0        | 2         | 2         |
| <b>3. YARIYIL 2. SINIF GÜZ</b> |                                      | <b>17</b> | <b>4</b> | <b>19</b> | <b>29</b> |
| 152113019                      | DIFFERENTIAL EQUATIONS               | 3         | 0        | 3         | 4         |
| 152113020                      | SAYISAL TASARIM                      | 4         | 0        | 4         | 6         |
| 152113021                      | VERİ YAPILARI                        | 2         | 0        | 2         | 3         |
| 152113022                      | VERİ YAPILARI LAB                    | 0         | 2        | 1         | 2         |
| 152113017                      | NESNE TABANLI PROGRAMLAMA I          | 3         | 0        | 3         | 5         |
| 152113018                      | NESNE TABANLI PROGRAMLAMA I LAB.     | 0         | 2        | 1         | 2         |
| 152113023                      | NUMERICAL METHODS                    | 3         | 0        | 3         | 4         |
| 152113024                      | İŞ SAĞLIĞI VE GÜVENLİĞİ I            | 2         | 0        | 2         | 3         |
| <b>5. YARIYIL 3. SINIF GÜZ</b> |                                      | <b>15</b> | <b>4</b> | <b>17</b> | <b>28</b> |
| 152115024                      | INTRODUCTION TO MICROCOMPUTERS       | 3         | 0        | 3         | 5         |
| 152115025                      | INTRODUCTION TO MICROCOMPUTERS LAB   | 0         | 2        | 1         | 2         |
| 152115016                      | VERİ TABANI YÖNETİM SİSTEMLERİ       | 3         | 0        | 3         | 5         |
| 152115018                      | VERİ TABANI YÖNETİM SİSTEMLERİ LAB   | 0         | 2        | 1         | 2         |
| 152115026                      | YAZILIM MÜHENDİSLİĞİ                 | 3         | 0        | 3         | 5         |
| TSa Teknik Seçmeli A           |                                      | 3         | 0        | 3         | 5         |
| TSa Teknik Seçmeli A           |                                      | 3         | 0        | 3         | 5         |
| <b>7. YARIYIL 4. SINIF GÜZ</b> |                                      | <b>14</b> | <b>2</b> | <b>15</b> | <b>31</b> |
| 152117114                      | ECONOMICS                            | 3         | 0        | 3         | 4         |
| TSB Teknik Seçmeli B           |                                      | 2         | 2        | 3         | 7         |
| TSC Teknik Seçmeli C           |                                      | 3         | 0        | 3         | 7         |
| TOS Teknik Olmayan Seçmeli     |                                      | 3         | 0        | 3         | 4         |
| TOS Teknik Olmayan Seçmeli     |                                      | 3         | 0        | 3         | 4         |
| MS Meslek Stajı                |                                      | 0         | 0        | 0         | 5         |

| Ders Kodu                            | Ders Adı                           | T         | U        | Krd       | AKTS      |
|--------------------------------------|------------------------------------|-----------|----------|-----------|-----------|
| <b>2. YARIYIL 1. SINIF BAHA</b>      |                                    | <b>20</b> | <b>4</b> | <b>20</b> | <b>29</b> |
| 152112017                            | CALCULUS II                        | 4         | 0        | 4         | 5         |
| 152112004                            | TÜRK DİLİ II                       | 2         | 0        | 0         | 2         |
| 152112005                            | PHYSICS II                         | 3         | 0        | 3         | 3         |
| 152112006                            | PHYSICS II LAB                     | 0         | 2        | 1         | 2         |
| 152112009                            | LINEAR ALGEBRA                     | 3         | 0        | 3         | 5         |
| 152112016                            | COMPUTER PROGRAMMING               | 3         | 0        | 3         | 5         |
| 152112011                            | COMPUTER PROGRAMMING LAB           | 0         | 2        | 1         | 2         |
| 152112014                            | AYRİK HESAPLAMA YAPILARI           | 3         | 0        | 3         | 4         |
| 151012209                            | ATATÜRK İLKE VE İNK TARİHİ II      | 2         | 0        | 2         | 2         |
| <b>4. YARIYIL 2. SINIF BAHA</b>      |                                    | <b>17</b> | <b>4</b> | <b>19</b> | <b>31</b> |
| 152114004                            | FUNDAMENTALS OF ELECTRONICS        | 3         | 0        | 3         | 5         |
| 152114020                            | SAYISAL TASARIM LAB                | 0         | 2        | 1         | 2         |
| 152114012                            | BİÇİMSEL DİLLER VE OTOMATA         | 3         | 0        | 3         | 5         |
| 152114013                            | OBJECT ORIENTED PROGRAMMING II     | 3         | 0        | 3         | 5         |
| 152114014                            | OBJECT ORIENTED PROGRAMMING II LAB | 0         | 2        | 1         | 2         |
| 152114015                            | ALGORITHMS AND COMPLEXITY          | 3         | 0        | 3         | 5         |
| 152114021                            | PROBABILITY                        | 3         | 0        | 3         | 4         |
| 152114022                            | İŞ SAĞLIĞI VE GÜVENLİĞİ 2          | 2         | 0        | 2         | 3         |
| <b>6. YARIYIL 3. SINIF BAHA</b>      |                                    | <b>14</b> | <b>6</b> | <b>17</b> | <b>31</b> |
| 152116022                            | İŞLETİM SİSTEMLERİNE GİRİŞ         | 3         | 0        | 3         | 5         |
| 152116023                            | İŞLETİM SİSTEMLERİNE GİRİŞ LAB     | 0         | 2        | 1         | 2         |
| 152116024                            | GİRİŞİMLİK                         | 3         | 0        | 3         | 5         |
| 152116025                            | TASARIM SÜREÇLERİ                  | 2         | 2        | 3         | 7         |
| 152116026                            | BİLGİSAYAR MİMARİSİ                | 3         | 0        | 3         | 5         |
| 152116027                            | BİLGİSAYAR AĞLARI                  | 3         | 0        | 3         | 5         |
| 152116028                            | BİLGİSAYAR AĞLARI LAB              | 0         | 2        | 1         | 2         |
| <b>8. YARIYIL 4. SINIF BAHA</b>      |                                    | <b>12</b> | <b>6</b> | <b>15</b> | <b>29</b> |
| TSa Teknik Seçmeli A                 |                                    | 3         | 0        | 3         | 5         |
| TSB Teknik Seçmeli B                 |                                    | 2         | 2        | 3         | 7         |
| TSC Teknik Seçmeli C                 |                                    | 3         | 0        | 3         | 7         |
| TOS Teknik Olmayan Seçmeli           |                                    | 3         | 0        | 3         | 4         |
| MA Mühendislik Araştırmaları Seçmeli |                                    | 1         | 4        | 3         | 6         |

| SS I      | SOSYAL SEÇMELİ I                    | T | U | K | AKTS |
|-----------|-------------------------------------|---|---|---|------|
| 152113010 | GERMAN I                            | 3 | 0 | 3 | 4    |
| 152115010 | GERMAN III                          | 3 | 0 | 3 | 4    |
| 152117105 | GERMAN V                            | 3 | 0 | 3 | 4    |
| 152113009 | BEGINNING FRENCH I                  | 3 | 0 | 3 | 4    |
| 152115023 | TÜRK HALK MÜZİĞİ(A)                 | 3 | 0 | 3 | 4    |
| 152115009 | INTERMEDIATE FRENCH I               | 3 | 0 | 3 | 4    |
| 152115014 | SOSYAL DÖNÜŞÜM VE YAŞAMBOYU ÖĞRENME | 3 | 0 | 3 | 4    |
| 152113011 | LITHUANIAN LANGUAGE                 | 3 | 0 | 3 | 4    |

| SS II     | SOSYAL SEÇMELİ II                        | T | U | K | AKTS |
|-----------|------------------------------------------|---|---|---|------|
| 152114010 | GERMAN II                                | 3 | 0 | 3 | 4    |
| 152116007 | GERMAN IV                                | 3 | 0 | 3 | 4    |
| 152116017 | İŞ ZEKASI                                | 3 | 0 | 3 | 4    |
| 152114009 | BEGINNING FRENCH II                      | 3 | 0 | 3 | 4    |
| 152116013 | FİKRİ VE SINAI MÜLKİYET HAKLARI          | 3 | 0 | 3 | 4    |
| 152116029 | FOTOĞRAFÇILIK VE MEDYA                   | 3 | 0 | 3 | 4    |
| 152116021 | TÜRK MÜZİĞİ EZGİLERİ                     | 3 | 0 | 3 | 4    |
| 152116014 | FINANSAL PIYASALARA GİRİŞ                | 3 | 0 | 3 | 4    |
| 152116006 | ADVANCED GRAMMAR                         | 3 | 0 | 3 | 4    |
| 152116018 | CAREER DEVELOPMENT&VOCATIONAL COUNSELING | 3 | 0 | 3 | 4    |

| TSa       | TEKNİK SEÇMELİ-GÜZ                       | T | U | K | AKTS |
|-----------|------------------------------------------|---|---|---|------|
| 152117126 | ÇİZGE KURAMI                             | 3 | 0 | 3 | 5    |
| 152117008 | DISTRIBUTED SYSTEMS                      | 3 | 0 | 3 | 5    |
| 152117003 | DATA SECURITY                            | 3 | 0 | 3 | 5    |
| 152117007 | DATABASE PROGRAMMING                     | 3 | 0 | 3 | 5    |
| 152117116 | INTRODUCTION TO SECURE CODING            | 3 | 0 | 3 | 5    |
| 152117005 | IMAGE PROCESSING                         | 3 | 0 | 3 | 5    |
| 152117102 | INTRODUCTION TO ARTIFICIAL INTELLIGENCE  | 3 | 0 | 3 | 5    |
| 152117106 | INTRODUCTION TO AUTONOMOUS MOBILE ROBOTS | 3 | 0 | 3 | 5    |

| TSa       | TEKNİK SEÇMELİ-BAHA         | T | U | K | AKTS |
|-----------|-----------------------------|---|---|---|------|
| 152118034 | INTRO. TO DATA MINING       | 3 | 0 | 3 | 5    |
| 152118016 | NETWORK APPLICATIONS        | 3 | 0 | 3 | 5    |
| 152118003 | NEURAL NETWORKS             | 3 | 0 | 3 | 5    |
| 152118035 | NETWORK APPLICATIONS UE     | 3 | 0 | 3 | 5    |
| 152118001 | PARALLEL PROGRAMMING        | 3 | 0 | 3 | 5    |
| 152118004 | SYSTEMS ANALYSIS            | 3 | 0 | 3 | 5    |
| 152118632 | BULANIK MANTIK              | 3 | 0 | 3 | 5    |
| 152118514 | AG GÜVENLİĞİ                | 3 | 0 | 3 | 5    |
| 152118633 | MAKİNE ÖĞRENMESİ            | 3 | 0 | 3 | 5    |
| 152118036 | COMPUTER SECURITY           | 3 | 0 | 3 | 5    |
| 152118023 | KURUMSAL JAVA               | 3 | 0 | 3 | 5    |
| 152118024 | HESAPLAMA GEOMETRİSİ        | 3 | 0 | 3 | 5    |
| 152118020 | DIGITAL COMMUNICATION       | 3 | 0 | 3 | 5    |
| 152118018 | REAL TIME DSP SYSTEM DESIGN | 3 | 0 | 3 | 5    |
| 152118025 | KONTROL SİSTEMLERİNE GİRİŞ  | 3 | 0 | 3 | 5    |

| TSB       | TEKNİK SEÇMELİ-GÜZ                       | T | U | K | AKTS |
|-----------|------------------------------------------|---|---|---|------|
| 152117121 | INTRODUCTION TO WIRELESS SENSOR NETWORKS | 2 | 2 | 3 | 7    |
| 152117114 | MOBİL PROGRAMLAMA                        | 2 | 2 | 3 | 7    |
| 152117127 | INTRODUCTION TO HEURISTIC ALGORITHMS     | 2 | 2 | 3 | 7    |
| 152117108 | ADVANCED COMPUTER ARCHITECTURE           | 2 | 2 | 3 | 7    |
| 152117107 | INTRODUCTION TO ARTIFICIAL INTELLIGENCE  | 2 | 2 | 3 | 7    |

| TSB       | TEKNİK SEÇMELİ-BAHA         | T | U | K | AKTS |
|-----------|-----------------------------|---|---|---|------|
| 152118513 | SİSTEM PROGRAMLAMA          | 2 | 2 | 3 | 7    |
| 152118033 | PATTERN RECOGNITION         | 2 | 2 | 3 | 7    |
| 152118028 | INTRODUCTION TO VHDL        | 2 | 2 | 3 | 7    |
| 152118008 | REAL TIME SIGNAL PROCESSING | 2 | 2 | 3 | 7    |

| TSC       | TEKNİK SEÇMELİ-GÜZ                         | T | U | K | AKTS |
|-----------|--------------------------------------------|---|---|---|------|
| 152117118 | BÜYÜK VERİ İŞLENMESİ                       | 3 | 0 | 3 | 7    |
| 152117119 | INTRODUCTION TO DEEP LEARNING              | 3 | 0 | 3 | 7    |
| 152117120 | PROBLEMS IN DATA STRUCTURES AND ALGORITHMS | 3 | 0 | 3 | 7    |
| 152117128 | YAZILIM TESTİ                              | 3 | 0 | 3 | 7    |
| 152117117 | INTRODUCTION TO RECOMMENDER SYSTEM         | 3 | 0 | 3 | 7    |
| 152117115 | ADVANCED PROGRAMMING                       | 3 | 0 | 3 | 7    |

| TSC       | TEKNİK SEÇMELİ-BAHA         | T | U | K | AKTS |
|-----------|-----------------------------|---|---|---|------|
| 152118636 | INTRODUCTION TO TEXT MINING | 3 | 0 | 3 | 7    |
| 152118635 | WEB BASED TECHNOLOGIES      | 3 | 0 | 3 | 7    |
| 152118634 | COMPUTER SECURITY           | 3 | 0 | 3 | 7    |
| 152118023 | KURUMSAL JAVA               | 3 | 0 | 3 | 7    |

| MA        | MÜHENDİSLİK ARAŞTIRMALARI                       | T | U | K | AKTS |
|-----------|-------------------------------------------------|---|---|---|------|
| 152117122 | ENGINEERING RESEARCH ON DATA STRUCTURES         | 1 | 4 | 3 | 6    |
| 152117123 | ENGINEERING RESEARCH ON OPTIMIZATION ALGORITHMS | 1 | 4 | 3 | 6    |
| 152117124 | ENGINEERING RESEARCH ON WIRELESS NETWORKS       | 1 | 4 | 3 | 6    |
| 152117125 | ENGINEERING RESEARCH ON DEEP LEARNING           | 1 | 4 | 3 | 6    |
| 152118617 | ENGINEERING RESEARCH ON IMAGE PROCESSING        | 1 | 4 | 3 | 6    |
| 152118618 | ENGINEERING RESEARCH ON AUTONOMOUS ROBOTICS     | 1 | 4 | 3 | 6    |
| 152118619 | ENGINEERING RESEARCH ON PARALLEL PROGRAMMING    | 1 | 4 | 3 | 6    |
| 152118620 | ENGINEERING RESEARCH ON COMPUTER PROGRAMMING    | 1 | 4 | 3 | 6    |
| 152118621 | ENGINEERING RESEARCH ON ARTIFICIAL INTELLIGENCE | 1 | 4 | 3 | 6    |
| 152118622 | ENGINEERING RESEARCH ON ALGORITHMS              | 1 | 4 | 3 | 6    |
| 152118623 | ENGINEERING RESEARCH ON DIGITAL SYSTEMS         | 1 | 4 | 3 | 6    |
| 152118624 | ENGINEERING RESEARCH ON SIGNAL RECOGNITION APPS | 1 | 4 | 3 | 6    |
| 152118625 | ENGINEERING RESEARCH ON MICROPROCESSOR BASED AP | 1 | 4 | 3 | 6    |
| 152118626 | ENGINEERING RESEARCH ON DATABASE APPS           | 1 | 4 | 3 | 6    |
| 152118627 | ENGINEERING RESEARCH ON PATTERN RECOGNITION     | 1 | 4 | 3 | 6    |
| 152118628 | ENGINEERING RESEARCH ON DISCRETE TIME SYSTEMS   | 1 | 4 | 3 | 6    |
| 152118629 | ENGINEERING RESEARCH ON MACHINE LEARNING        | 1 | 4 | 3 | 6    |
| 152118630 | ENGINEERING RESEARCH ON SOFTWARE ARCHITECTURE   | 1 | 4 | 3 | 6    |
| 152118631 | ENGINEERING RESEARCH ON SIGNALS APPS            | 1 | 4 | 3 | 6    |
| 152118637 | ENGINEERING RESEARCH ON INFORMATION SECURITY    | 1 | 4 | 3 | 6    |
| 152118638 | ENGINEERING RESEARCH ON MOBILE COMMUNICATIONS   | 1 | 4 | 3 | 6    |
| 152118501 | GÖRÜNTÜ İŞLEME MÜH. ARAŞTIRMALARI               | 1 | 4 | 3 | 6    |
| 152118502 | OTONOM ROBOTLAR MÜH. ARAŞTIRMALARI              | 1 | 4 | 3 | 6    |
| 152118503 | PARALEL PROGRAMLAMA MÜH. ARAŞTIRMALARI          | 1 | 4 | 3 | 6    |
| 152118504 | BİLGİSAYAR PROGRAMLAMA MÜH. ARAŞTIRMALARI       | 1 | 4 | 3 | 6    |
| 152118505 | YAPAY ZEKA MÜH. ARAŞTIRMALARI                   | 1 | 4 | 3 | 6    |
| 152118506 | ALGORİTMALAR MÜH. ARAŞTIRMALARI                 | 1 | 4 | 3 | 6    |
| 152118507 | SINYAL TANIMA UYGULAMALARI MÜH. ARAŞTIRMALARI   | 1 | 4 | 3 | 6    |
| 152118512 | VERİ MADENCİLİĞİNE GİRİŞ MÜH. ARAŞTIRMALARI     | 1 | 4 | 3 | 6    |
| 152118509 | ÖRÜNTÜ TANIMA MÜH. ARAŞTIRMALARI                | 1 | 4 | 3 | 6    |
| 152118510 | MAKİNE ÖĞRENMESİ MÜH. ARAŞTIRMALARI             | 1 | 4 | 3 | 6    |
| 152118511 | YAZILIM MİMARİSİ MÜH. ARAŞTIRMALARI             | 1 | 4 | 3 | 6    |
| 152118639 | OTONOM SİSTEMLERDE MÜHENDİSLİK ARAŞTIRMALARI    | 1 | 4 | 3 | 6    |