

**YÖNETİM BİLİŞİM SİSTEMLERİ BÖLÜMÜNDE ÇİFT ANADAL YAPACAK  
ÖĞRENCİLER İÇİN ALINACAK DERSLER**

|                                                        | Çift Anadal/Yandal<br>(SENG) |
|--------------------------------------------------------|------------------------------|
| ECON 101 Introduction to Economics I                   | ✓ (Y)                        |
| CENG 111 (veya CENG 154*) Computer Programming I       |                              |
| MIS 101 Introduction to Management Information Systems | ✓ (Y)                        |
| ECON 102 Introduction to Economics II                  | ✓                            |
| MIS 102 Principles of Business and Management          | ✓ (Y)                        |
| CENG 114 (veya CENG 155*) Computer Programming II      |                              |
| MAN 209 Accounting for MIS                             | ✓                            |
| CENG 241 Object Oriented Programming                   |                              |
| MIS 207 Programming for Data Science                   | ✓                            |
| MIS 208 Introduction to Data Analysis                  | ✓                            |
| MIS 202 Economics of Information and Management        | ✓ (Y)                        |
| MIS 204 Computer Networks                              |                              |
| MIS 315 (MIS 301) Data Analytics I                     | ✓                            |
| MIS 303 Database Management Systems                    | ✓                            |
| MIS 305 Data Analysis: Modelling                       | ✓ (Y)                        |
| MIS 307 Decision Analysis I                            | ✓ (Y)                        |
| MAN 307 Principles of Marketing                        | ✓                            |
| MIS 314 (MIS 302) Data Analytics II                    | ✓ (Y)                        |
| MIS 306 Data Analysis: Forecasting                     | ✓                            |
| CENG 382 Web Development                               |                              |
| MIS 316 System Analysis and Design                     |                              |
| MIS 400 Summer Practice                                |                              |
| MIS 415 Enterprise Applications                        | ✓                            |
| MIS 403 Machine Learning for Business and Economics    | ✓ (Y)                        |
| MIS 402 Decision Analysis II                           | ✓                            |
| MIS 408 Graduation Project                             |                              |
| Alınacak MIS kodlu seçmeli sayısı                      | 3                            |
| TOPLAM DERS #                                          | 21 (Yandal, Y: 8)            |

NOT : Asıl programda alınmış olunan MIS kodlu dersler çift anadal programında saydırılmaz.

\* CENG 154, CENG 111 ile; CENG 155 ise CENG 114 ile eşdeğer olup birbirlerinin yerine alınabilir.

**ÖNKOŞUL DERSLERİ**

| Dersin Kodu | Dersin Adı                  | Önkoşul Dersi                        |
|-------------|-----------------------------|--------------------------------------|
| CENG 155    | Computer Programming II     | CENG 154                             |
| CENG 241    | Object Oriented Programming | CENG 114 veya CENG 155               |
| CENG 382    | Web Programming             | CENG 241                             |
| MIS 305     | Data Analysis: Modelling    | STAT 202 veya STAT 206 veya MATH 223 |