**Courses to be Taken by Students Pursuing a Double Major in the Department of Management Information Systems**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **İşletme**  **(MAN)** | **İktisat**  **(ECON)** | **Yazılım Müh.**  **(SENG)** | **Uluslararası Ticaret ve Finansman**  **(INTT)** |
| **ECON 101 Introduction to Economics I** |  |  | **✓** |  |
| **CENG 111 (veya CENG 154\*) Computer Programming I** | **✓** | **✓** |  | **✓** |
| **MIS 101 Introduction to Management Information Systems** | **✓** | **✓** | **✓** | **✓** |
| **ECON 102 Introduction to Economics II** |  |  | **✓** |  |
| **MIS 102 Principles of Business and Management** |  |  | **✓** |  |
| **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** |  |  | **✓** | **✓** |
| **MIS 204 Computer Networks** | **✓** | **✓** |  | **✓** |
| **MIS 315 (MIS 301) Data Analytics I** |  | **✓** | **✓** | **✓** |
| **MIS 303 Database Management Systems** | **✓** | **✓** | **✓** | **✓** |
| **MIS 305 Data Analysis: Modelling** | **✓** |  | **✓** | **✓** |
| **MIS 307 Decision Analysis I** |  | **✓** | **✓** |  |
| **MAN 307 Principles of Marketing** |  |  | **✓** |  |
| **MIS 314 (MIS 302) Data Analytics II** | **✓** | **✓** | **✓** | **✓** |
| **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** | **✓** | **✓** | **✓** | **✓** |
| **MIS 402 Decision Analysis II** |  | **✓** | **✓** | **✓** |
| **MIS 408 Graduation Project** | **✓** | **✓** |  | **✓** |
| **Alınacak MIS kodlu seçmeli sayısı** | **0** | **3** | **3** | **3** |
| **TOPLAM DERS #** | **16** | **21** | **21** | **21** |

**Note:** MIS-coded courses that have already been taken in the main program cannot be counted in the double major program.  
\*CENG 154 is equivalent to CENG 111; CENG 155 is equivalent to CENG 114, and they can be taken interchangeably.

**PREREQUISITE COURSES**

|  |  |  |
| --- | --- | --- |
| **Course Code** | **Course Title** | **Prerequisite Course** |
| 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 |