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UYGULAMALI BİLİMLER FAKÜLTESİ / FACULTY OF
APPLIED SCIENCES

BİLİŞİM SİSTEMLERİ VE TEKNOLOJİLERİ LİSANS
PROGRAMI - CTIS / INFORMATION SYSTEMS AND
TECHNOLOGIES UNDERGRADUATE PROGRAM - CTIS

1. LİSANS PROGRAMI / UNDERGRADUATE PROGRAM

1.1. MÜFREDAT / CURRICULUM

| Birinci Yıl / First Year | | | | | |
|--------------------------------|--|-----------------|--|-----------------|------|
| Güz Dönemi / Fall Semester | | | | | |
| Ders Kod / Course Code | Ders Adı / Course Name | Saatler / Hours | | Kredi / Credits | |
| | | Ders / Lecture | Lab / Stüdyo / Diğer / Lab / Studio / Others | Bilkent | ECTS |
| CTIS 151 | Programlamaya Giriş / Introduction to Programming | 3 | 4 | 4 | 6.5 |
| CTIS 163 | Ayrık Matematik / Discrete Mathematics | 3 | 0 | 3 | 5 |
| CTIS 165 | Bilişim Sistemlerinin Temelleri / Fundamentals of Information Systems | 3 | 2 | 3 | 5 |
| ENG 101 | İngilizce ve Kompozisyon I / English and Composition I | 5 | 0 | 3 | 5 |
| GE 100 | Üniversite Hayatına Giriş / Orientation | 0 | 0 | 1 | 2 |
| TURK 101 | Türkçe I / Turkish I | 0 | 0 | 2 | 3.5 |
| Bahar Dönemi / Spring Semester | | | | | |
| Ders Kod / Course Code | Ders Adı / Course Name | Saatler / Hours | | Kredi / Credits | |
| | | Ders / Lecture | Lab / Stüdyo / Diğer / Lab / Studio / Others | Bilkent | ECTS |
| CTIS 152 | Algoritmalar ve Veri Yapıları / Algorithms and Data Structures | 3 | 4 | 4 | 6.5 |
| CTIS 164 | Teknik Matematik ve Programlama / Technical Mathematics with Programming | 3 | 0 | 3 | 5 |
| CTIS 166 | Bilgi Teknolojileri / Information Technologies | 3 | 2 | 3 | 5 |
| ENG 102 | İngilizce ve Kompozisyon II / English and Composition II | 5 | 0 | 3 | 5 |
| TURK 102 | Türkçe II / Turkish II | 0 | 0 | 2 | 3.5 |
| | Matematik Seçmeli Dersi / Mathematics Elective | | | 4 | |

| İkinci Yıl / Second Year | | | | | |
|--------------------------------|--|-----------------|--|-----------------|------|
| Güz Dönemi / Fall Semester | | | | | |
| Ders Kod / Course Code | Ders Adı / Course Name | Saatler / Hours | | Kredi / Credits | |
| | | Ders / Lecture | Lab / Stüdyo / Diğer / Lab / Studio / Others | Bilkent | ECTS |
| CTIS 221 | Nesneye Yönelik Programlama / <i>Object Oriented Programming</i> | 3 | 4 | 4 | 6.5 |
| CTIS 255 | Önyüz Web Teknolojileri / <i>Frontend Web Technologies</i> | 3 | 0 | 3 | 5 |
| CTIS 259 | Veri Tabanı Yönetim Sistemleri ve Uygulamaları / <i>Database Management Systems and Applications</i> | 3 | 3 | 4 | 6.5 |
| CTIS 261 | Bilgisayar Ağlarının Temelleri / <i>Fundamentals of Computer Networks</i> | 3 | 2 | 3 | 5 |
| ECON 103 | İktisadın Temel İlkeleri / <i>Principles of Economics</i> | 4 | 0 | 3 | 5 |
| GE 250 | Üniversite Etkinlik Programı I / <i>Collegiate Activities Program I</i> | 0 | 0 | 0 | 1 |
| | Temel Sosyal Bilimler Seçmeli Dersi / <i>Social Sciences Core Elective</i> | | | 3 | |
| Bahar Dönemi / Spring Semester | | | | | |
| Ders Kod / Course Code | Ders Adı / Course Name | Saatler / Hours | | Kredi / Credits | |
| | | Ders / Lecture | Lab / Stüdyo / Diğer / Lab / Studio / Others | Bilkent | ECTS |
| CTIS 222 | Nesneye Yönelik Analiz ve Tasarım / <i>Object Oriented Analysis and Design</i> | 3 | 0 | 3 | 5 |
| CTIS 256 | Arkayüz Uygulama Geliştirmeye Giriş / <i>Introduction to Backend Development</i> | 3 | 0 | 3 | 5 |
| CTIS 264 | Bilgisayar Algoritmaları / <i>Computer Algorithms</i> | 3 | 2 | 3 | 5 |
| GE 251 | Üniversite Etkinlik Programı II / <i>Collegiate Activities Program II</i> | 0 | 0 | 1 | 2 |
| | Genel Seçmeli Ders / <i>General Electives</i> | | | 3 | |
| | Temel Fen Bilimleri Seçmeli Dersi / <i>Science Core Elective</i> | | | 3 | |

| Üçüncü Yıl / Third Year | | | | | |
|--------------------------------|--|-----------------|--|-----------------|------|
| Güz Dönemi / Fall Semester | | | | | |
| Ders Kod / Course Code | Ders Adı / Course Name | Saatler / Hours | | Kredi / Credits | |
| | | Ders / Lecture | Lab / Stüdyo / Diğer / Lab / Studio / Others | Bilkent | ECTS |
| COMD 358 | Profesyonel İletişim / <i>Professional Communication</i> | 3 | 0 | 3 | 5 |
| CTIS 290 | Yaz Stajı / <i>Summer Internship</i> | 0 | 0 | 0 | 6 |
| CTIS 359 | Yazılım Mühendisliğinin Esasları / <i>Principles of Software Engineering</i> | 3 | 0 | 3 | 5 |
| CTIS 365 | Uygulamalı Veri Analizi / <i>Applied Data Analysis</i> | 3 | 2 | 4 | 6.5 |
| CTIS 487 | Mobil Uygulama Geliştirme / <i>Mobile Application Development</i> | 3 | 2 | 4 | 6.5 |
| HIST 200 | Türkiye Tarihi / <i>History of Turkey</i> | 3 | 0 | 4 | 6.5 |
| Bahar Dönemi / Spring Semester | | | | | |
| Ders Kod / Course Code | Ders Adı / Course Name | Saatler / Hours | | Kredi / Credits | |
| | | Ders / Lecture | Lab / Stüdyo / Diğer / Lab / Studio / Others | Bilkent | ECTS |
| CTIS 310 | Dönem Stajı / <i>Semester Internship</i> | | 0 | 10 | 28.5 |

| Dördüncü Yıl/ Fourth Year | | | | | |
|-------------------------------|--|----------------|---|----------------|------|
| Güz Dönemi/ Fall Semester | | | | | |
| Ders Kod/ Course Code | Ders Adı/ Course Name | Saatler/ Hours | | Kredi/ Credits | |
| | | Ders/ Lecture | Lab/ Stüdyo/ Diğer/ Lab/ Studio/ Others | Bilkent | ECTS |
| CTIS 411 | Bitirme Projesi I/ Senior Project I | 3 | 0 | 3 | 5 |
| CTIS 496 | Bilgisayar ve Ağ Güvenliği / Computer and Network Security | 3 | 0 | 3 | 5 |
| HCIV 101 | Uygurluk Tarihi I / History of Civilization I | 3 | 0 | 3 | 5 |
| | Temel Sanat Seçmeli Dersi / History of Civilization I | | | 3 | |
| | Bilişim Sistemleri Seçmeli Ders (2) / Information Systems Restricted Elective (2) | | | 6 | |
| Bahar Dönemi/ Spring Semester | | | | | |
| Ders Kod/ Course Code | Ders Adı/ Course Name | Saatler/ Hours | | Kredi/ Credits | |
| | | Ders/ Lecture | Lab/ Stüdyo/ Diğer/ Lab/ Studio/ Others | Bilkent | ECTS |
| CTIS 456 | Bitirme Projesi II / Senior Project II | 0 | 4 | 3 | 5 |
| HCIV 102 | Uygurluk Tarihi II / History of Civilization II | 3 | 0 | 3 | 5 |
| | Genel Seçmeli Ders / General Electives | | | 3 | |
| | Temel İnsani Bilimler Seçmeli Dersi / Humanities Core Elective | | | 3 | |
| | Bilişim Sistemleri Seçmeli Ders (2) / Information Systems Restricted Elective (2) | | | 6 | |

2. PROGRAM ÇIKTILARI / PROGRAM OUTCOMES

2.1. PROGRAM ÇIKTILARININ LİSTESİ / LIST OF PROGRAM OUTCOMES

- Karmaşık bir hesaplama problemini analiz eder ve çözümleri tanımlamak için bilişim ve diğer ilgili disiplinlerin prensiplerini uygular. / Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Programın disiplini bağlamında verilen hesaplama gereksinimlerini karşılamak için bilişim tabanlı bir çözüm tasarlar, uygular ve değerlendirir. / Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Çeşitli profesyonel çevrelerde etkili iletişim kurar. / Communicate effectively in a variety of professional contexts.
- Mesleki sorumlulukları tanır ve bilişim uygulamalarında yasal ve etik ilkelere dayalı bilinçli kararlar verir. / Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.
- Programın disiplinine uygun etkinliklerde bulunan bir takımın üyesi veya lideri olarak etkin bir şekilde görev yapar. / Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

- f.* Bir bilişim sistemi ortamında sistemin teslimi ve kurulumunu, kullanımını ve yönetimini destekler. / *Support the delivery, use, and management of information systems within an information systems environment.*
- g.* Öğrenciler, derslerin yanı sıra çeşitli ve yaratıcı, sanatsal, kültürel, sportif ve entelektüel faaliyetlere katılarak kampüs hayatından daha fazla faydalanırlar. / *Take advantage of the campus life where students are engaged in diversity, creativity and commitment outside coursework through artistic, cultural, sportive and intellectual activities.*

2.2. PROGRAM ÇIKTILARI - DERSLER MATRİSİ / PROGRAM OUTCOMES - COURSES TABLE

| Dersler / Courses | Program Çıktıları / Program Outcomes | | | | | | |
|----------------------|--------------------------------------|-----|-----|-----|-----|-----|-----|
| | (a) | (b) | (c) | (d) | (e) | (f) | (g) |
| COMD 358 | | | ✓ | ✓ | ✓ | | |
| CTIS 151 | ✓ | | | | | | |
| CTIS 152 | ✓ | | | | | | |
| CTIS 163 | ✓ | | | | | | |
| CTIS 164 | ✓ | ✓ | | | | | |
| CTIS 165 | ✓ | | ✓ | | ✓ | | |
| CTIS 166 | ✓ | ✓ | | | | | |
| CTIS 221 | ✓ | ✓ | | | | | |
| CTIS 222 | ✓ | ✓ | | | | | |
| CTIS 255 | | ✓ | | | | | |
| CTIS 256 | ✓ | ✓ | | ✓ | | | |
| CTIS 259 | ✓ | ✓ | | | | | |
| CTIS 261 | ✓ | ✓ | | | | | |
| CTIS 264 | ✓ | ✓ | | | | | |
| CTIS 290 | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| CTIS 310 | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| CTIS 359 | ✓ | | ✓ | | | | |
| CTIS 365 | ✓ | ✓ | ✓ | | | | |
| CTIS 411 | ✓ | ✓ | ✓ | | ✓ | | |
| CTIS 456 | | ✓ | ✓ | | ✓ | ✓ | |
| CTIS 487 | | ✓ | | | | | |
| CTIS 496 | ✓ | ✓ | | | | | |
| ENG 101 | | | ✓ | | | | |
| ENG 102 | | | ✓ | | | | |
| GE 100 | | | ✓ | | | | ✓ |
| GE 250 | | | ✓ | | | | |
| GE 251 | | | ✓ | | | | ✓ |
| HCIV 101 | | | ✓ | | ✓ | | |
| HCIV 102 | | | ✓ | | ✓ | | |
| HIST 200 | | | ✓ | | ✓ | | |
| TURK 101 | | | ✓ | | | | |
| TURK 102 | | | ✓ | | | | |

Tablo.2.2. Bilişim Sistemleri ve Teknolojileri Lisans Programı - Program Çıktıları ve Dersler Tablosu / **Table.2.2.** Information Systems and Technologies Undergraduate Program - Program Outcomes and Courses Table

3. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK METRİKLER / METRICS TO BE USED IN PERFORMANCE MEASUREMENT

3.1. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK DEĞERLENDİRME METOTLARI / EVALUATION METHODS USED IN PERFORMANCE MEASUREMENTS

| Course Code | Program Outputs | Homework | Homework | Homework | Homework | Homework | Midterm | Project | Term project | Presentations | In-class participation | Total Contribution | Qualification Calculation Method | |
|-------------|-----------------|-------------------------------|-----------------------------|----------|----------|----------|----------|---------|--------------------|----------------------------------|-------------------------------|--------------------|----------------------------------|--|
| COMD 358 | c | 4 | 4 | 4 | 4 | 4 | 25 | 30 | 10 | 10 | 5 | 100 | M1 | |
| | | (Average) Qualification Grade | Qualification Threshold (%) | | | | | | | | | | | |
| | | 60 | 70 | | | | | | | | | | | |
| | Program Outputs | Homework | Homework | Homework | Homework | Homework | Midterm | Project | Term project | Presentations | In-class participation | Total Contribution | Qualification Calculation Method | |
| | d | 4 | 4 | 4 | 4 | 4 | 25 | 30 | 10 | 10 | 5 | 100 | M1 | |
| | | (Average) Qualification Grade | Qualification Threshold (%) | | | | | | | | | | | |
| | | 60 | 70 | | | | | | | | | | | |
| | Program Outputs | Homework | Homework | Homework | Homework | Homework | Midterm | Project | Term project | Presentations | In-class participation | Total Contribution | Qualification Calculation Method | |
| | e | 4 | 4 | 4 | 4 | 4 | 25 | 30 | 10 | 10 | 5 | 100 | M1 | |
| | | (Average) Qualification Grade | Qualification Threshold (%) | | | | | | | | | | | |
| | | 60 | 70 | | | | | | | | | | | |
| | Course Code | Program Outputs | Quiz | Midterm | Lab exam | Lab exam | Lab exam | Final | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | |
| CTIS 151 | a | 5 | 15 | 15 | 15 | 25 | 25 | 100 | M3 | 55 | | | | |

| Course Code | Program Outputs | Quiz | Midterm | Lab exam | Lab exam | Lab exam | Final | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade |
|-------------|-----------------|------------------------|--------------------|----------------------------------|-------------------------------|----------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|
| CTIS 152 | a | 5 | 15 | 15 | 15 | 25 | 25 | 100 | M3 | 55 |
| Course Code | Program Outputs | Midterm | Midterm | Final:Essay/written | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | |
| CTIS 163 | a | 30 | 30 | 40 | 100 | M3 | 55 | | | |
| Course Code | Program Outputs | Quiz | Quiz | Midterm: Essay/written | Final:Essay/written | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | |
| CTIS 165 | a | 15 | 15 | 30 | 40 | 100 | M3 | 55 | | |
| | Program Outputs | Project | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | |
| | b | 100 | 100 | M3 | 70 | | | | | |
| | Program Outputs | Project | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | |
| | c | 100 | 100 | M3 | 80 | | | | | |
| | Program Outputs | Project | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | |
| e | 100 | 100 | M3 | 70 | | | | | | |
| Course Code | Program Outputs | Midterm: Essay/written | Lab exam | Final:Practical (skills) | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | |
| CTIS 221 | a | 30 | 30 | 40 | 100 | M3 | 55 | | | |
| | Program Outputs | Lab exam | Term Project | Final:Practical (skills) | Quiz | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | |
| | b | 16 | 50 | 30 | 4 | 100 | M3 | 55 | | |
| Course Code | Program Outputs | Midterm | Midterm | Project | Final:Practical (skills) | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | |
| CTIS 255 | b | 25 | 25 | 15 | 35 | 100 | M3 | 40 | | |

| Course Code | Program Outputs | Midterm | Midterm | Project | Final:Practical (skills) | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | |
|-------------|-----------------|------------|----------------------|----------------------------------|-------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------|------|--------------------|----------------------------------|-------------------------------|
| CTIS 256 | a | 25 | 30 | 15 | 30 | 100 | M3 | 40 | | | | | |
| | Program Outputs | Midterm | Midterm | Project | Final:Practical (skills) | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | |
| | b | 25 | 30 | 15 | 30 | 100 | M3 | 40 | | | | | |
| | Program Outputs | Midterm | Midterm | Project | Final:Practical (skills) | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | |
| | d | 25 | 30 | 15 | 30 | 100 | M3 | 40 | | | | | |
| Course Code | Program Outputs | Midterm | Final:Essay/ written | Midterm | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | | |
| CTIS 259 | a | 20 | 50 | 30 | 100 | M3 | 50 | | | | | | |
| | Program Outputs | Midterm | Lab exam | Final:Essay/ written | Midterm | Quiz | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | |
| | b | 10 | 60 | 10 | 10 | 10 | 100 | M3 | 50 | | | | |
| Course Code | Program Outputs | Midterm | Midterm | Final Exam | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | | |
| CTIS 261 | a | 30 | 30 | 40 | 100 | M3 | 50 | | | | | | |
| | Program Outputs | Homework | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | | | | |
| | b | 100 | 100 | M3 | 60 | | | | | | | | |
| Course Code | Program Outputs | Follow Up1 | Follow Up2 | Follow Up3 | Follow Up4 | Follow Up5 | Interim Meeting | Reports about an internship | Company Evaluation | Jury | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade |
| CTIS 310 | a | 3 | 3 | 3 | 3 | 3 | 5 | 15 | 40 | 25 | 100 | M3 | 75 |
| | Program Outputs | Follow Up1 | Follow Up2 | Follow Up3 | Follow Up4 | Follow Up5 | Interim Meeting | Reports about an internship | Company Evaluation | Jury | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade |
| | c | 5 | 5 | 5 | 5 | 5 | 10 | 30 | 20 | 15 | 100 | M3 | 75 |

| Course Code | Program Outputs | Final:Essay /written | Midterm: Essay/written | Quiz | Quiz | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | |
|-------------|-----------------|------------------------|------------------------|----------------------------------|----------------------------------|-------------------------------|----------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|--|
| CTIS 359 | a | 40 | 40 | 10 | 10 | 100 | M3 | 55 | | | | |
| | Program Outputs | Quiz | Quiz | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | | |
| | c | 50 | 50 | 100 | M3 | 55 | | | | | | |
| Course Code | Program Outputs | Midterm: Essay/written | Final:Essay/ written | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | | |
| CTIS 365 | a | 45 | 55 | 100 | M3 | 55 | | | | | | |
| | Program Outputs | Lab Quiz1 | Lab Quiz2 | Lab Project | Lab Exam | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | |
| | b | 20 | 20 | 20 | 40 | 100 | M3 | 60 | | | | |
| | Program Outputs | Term Project | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | | | |
| c | 100 | 100 | M3 | 60 | | | | | | | | |
| Course Code | Program Outputs | Papers(s)/ Reports | Papers(s)/ Reports | Papers(s)/ Reports | Papers(s)/ Reports | Quiz | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | |
| CTIS 411 | a | 20 | 20 | 20 | 20 | 20 | 100 | M3 | 70 | | | |
| | Program Outputs | Project | Papers(s)/ Reports | Quiz | Project | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | |
| | b | 20 | 30 | 20 | 30 | 100 | M3 | 70 | | | | |
| | Program Outputs | Papers(s)/ Reports | Papers(s)/ Reports | Project | Papers(s)/ Reports | Papers(s)/ Reports | Project | Presentations | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | |
| | c | 10 | 10 | 10 | 10 | 10 | 10 | 40 | 100 | M3 | 70 | |
| | Program Outputs | Papers(s)/ Reports | Papers(s)/ Reports | Project | Papers(s)/ Reports | Papers(s)/ Reports | Project | Presentations | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | |
| e | 10 | 10 | 10 | 10 | 10 | 40 | 10 | 100 | M3 | 70 | | |

| Course Code | Program Outputs | Homework | Homework | Midterm | Lab work | Final | Project | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | |
|-------------|-----------------|------------------------|-------------------------|----------------------------------|----------------------------------|---|-------------------------------|--------------------|----------------------------------|----------------------------------|-------------------------------|-----------------------------|--|
| CTIS 487 | b | 5 | 5 | 40 | 4 | 40 | 6 | 100 | M3 | 50 | | | |
| Course Code | Program Outputs | Midterm | Final:Essay/ written | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | | | |
| CTIS 496 | a | 50 | 50 | 100 | M3 | 50 | | | | | | | |
| | Program Outputs | Midterm | Final:Essay/ written | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | | | | | | | |
| | b | 50 | 50 | 100 | M3 | 50 | | | | | | | |
| Course Code | Program Outputs | Academic Essay 1 | Essay | Oral Presentation | Student Led Discussion | Academic Summary and Critical Response Task | Self-progress Reflection Task | Final | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | |
| ENG 101 | c | 20 | 25 | 8 | 7 | 10 | 5 | 25 | 100 | M1 | 70 | 75 | |
| Course Code | Program Outputs | Library Skills Task | Academic Essay | Oral Presentation | Research Paper Outline | Research essay | Interviews | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | |
| ENG 102 | c | 5 | 20 | 20 | 10 | 30 | 15 | 100 | M1 | 70 | 70 | | |
| Course Code | Program Outputs | In-class participation | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | | | | | | |
| GE 100 | c | 100 | 100 | M1 | 12 | 80 | | | | | | | |
| | Program Outputs | In-class participation | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | | | | | | |
| | g | 100 | 100 | M1 | 12 | 80 | | | | | | | |
| Course Code | Program Outputs | In-class participation | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | | | | | | |
| GE 251 | c | 100 | 100 | M1 | 70 | 70 | | | | | | | |
| | Program Outputs | In-class participation | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | | | | | | |
| | g | 100 | 100 | M1 | 70 | 70 | | | | | | | |

| | | | | | | | | | | |
|-------------|-----------------|------------------------|----------------------|--------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------|-----------------------------|--|
| Course Code | Program Outputs | Essay | Video Project | Midterm | Final | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | |
| HCIV 101 | c | 20 | 30 | 20 | 30 | 100 | M1 | 70 | 75 | |
| | Program Outputs | Essay | Video Project | Midterm | Final | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | |
| | e | 20 | 30 | 20 | 30 | 100 | M1 | 70 | 75 | |
| Course Code | Program Outputs | Final | Midterm | Essay | Video Project | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | |
| HCIV 102 | c | 30 | 20 | 20 | 30 | 100 | M1 | 70 | 75 | |
| | Program Outputs | Final | Midterm | Essay | Video Project | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | |
| | e | 30 | 20 | 20 | 30 | 100 | M1 | 70 | 75 | |
| Course Code | Program Outputs | Oral presentation | Research essay | Performance | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | |
| HIST 200 | c | 10 | 60 | 30 | 100 | M1 | 70 | 75 | | |
| | Program Outputs | Oral presentation | Research essay | Performance | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | |
| | e | 10 | 60 | 30 | 100 | M1 | 70 | 75 | | |
| Course Code | Program Outputs | Midterm: Essay/written | Final:Essay/ written | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | | |
| MATH 105 | a | 50 | 50 | 100 | M1 | 40 | 40 | | | |
| | Program Outputs | Midterm: Essay/written | Final:Essay/ written | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | | |
| | c | 50 | 50 | 100 | M1 | 40 | 40 | | | |
| | Program Outputs | Midterm: Essay/written | Final:Essay/ written | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) | | | |
| | e | 50 | 50 | 100 | M1 | 40 | 40 | | | |

| Course Code | Program Outputs | Blog | Final Exam | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) |
|-------------|-----------------|------|------------|--------------------|----------------------------------|-------------------------------|-----------------------------|
| TURK 101 | c | 70 | 30 | 100 | M1 | 70 | 60 |
| Course Code | Program Outputs | Blog | Final Exam | Total Contribution | Qualification Calculation Method | (Average) Qualification Grade | Qualification Threshold (%) |
| TURK 102 | c | 70 | 30 | 100 | M1 | 70 | 60 |

- **Ölçümlerde Kullanılan Metotlarla İlgili Açıklamalar / Explanations About the Methods Used in Measurements**

Bütün metotlar için sadece dersi geçen öğrencilerin notları kullanılacaktır. / For all methods, only the grades of students who pass the course will be used.

- G = Bölüm tarafından belirlenmiş olan başarılı sayılabilecek minimum not / G = Minimum grade that can be considered successful as determined by the department
- T = Program çıktısı başarısı için eşik değer / T = Threshold value for program output success
- M1: Öğrencilerin %T'sinin not ortalamasının G veya üzerinde olması / M1: T% of students have a grade point average of G or above
- M2: Öğrencilerin %T'sinin bölüm ortalaması üzerinde not almış olması / M2: %T of students have received grades above the department average
- M3: Öğrencilerin not ortalamasının G veya üzerinde olması / M3: Students' grade point average should be G or above
- M4: Öğrencilerin %T'sinin not ortalamasının dersi alan tüm öğrencilerin ortalamasına eşit veya daha yüksek olması / M4: The GPA of %T of students is equal to or higher than the average of all students taking the course

3.2. PERFORMANS ÖLÇÜMLERİNDE KULLANILAN METOTLAR VE PERFORMANS SONUÇ DETAYLARI / METHODS USED IN PERFORMANCE MEASUREMENTS AND PERFORMANCE RESULT DETAILS

| Program Çıktısı/ Program Outcome | Yeterlilik Hesaplama Yöntemi/ Method | (Ortalama) Yeterlilik Notu/ Minimum Successful Grade | Yeterlilik Eşiği (%) / Threshold Percentage (%) | Toplam Öğrenci Sayısı/ Number of Students (All) | Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.) | Tüm Öğrenci Ort. / Average (All Std.) | Dept. Öğrenci Ort. / Average (Dept. Std.) | Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All) | Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.) | Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All) | Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.) | Performans / Performance | Yeterlilik Oranı / Success Ratio |
|--|---|---|--|--|--|--|--|---|---|--|---|-----------------------------|-------------------------------------|
| COMD 358 - Profesyonel İletişim / COMD 358 - Professional Communication | | | | | | | | | | | | | |
| c | M1 | 60 | 70 | 501 | 74 | 84.4 | 83.93 | 496 | 74 | 99 | 100 | Yeterli ✓ / Sufficient ✓ | 100 |
| d | M1 | 60 | 70 | 501 | 74 | 84.4 | 83.93 | 496 | 74 | 99 | 100 | Yeterli ✓ / Sufficient ✓ | 100 |
| e | M1 | 60 | 70 | 501 | 74 | 84.4 | 83.93 | 496 | 74 | 99 | 100 | Yeterli ✓ / Sufficient ✓ | 100 |
| CTIS 151 - Programlamaya Giriş / CTIS 151 - Introduction to Programming | | | | | | | | | | | | | |
| a | M3 | 55 | | 77 | 60 | 70.38 | 70.91 | 58 | 44 | 75.32 | 73.33 | Yeterli ✓ / Sufficient ✓ | 70.91 |
| CTIS 152 - Algoritmalar ve Veri Yapıları / CTIS 152 - Algorithms and Data Structures | | | | | | | | | | | | | |
| a | M3 | 55 | | 36 | 28 | 69.97 | 68.6 | 27 | 20 | 75 | 71.43 | Yeterli ✓ / Sufficient ✓ | 68.6 |
| CTIS 163 - Ayrık Matematik / CTIS 163 - Discrete Mathematics | | | | | | | | | | | | | |
| a | M3 | 55 | | 107 | 107 | 72.15 | 72.15 | 94 | 94 | 87.85 | 87.85 | Yeterli ✓ / Sufficient ✓ | 72.15 |
| CTIS 165 - Bilgi Sistemlerinin Temelleri / CTIS 165 - Fundamentals of Information Systems | | | | | | | | | | | | | |
| a | M3 | 55 | | 100 | 81 | 56.56 | 58.32 | 57 | 50 | 57 | 61.73 | Yeterli ✓ / Sufficient ✓ | 58.32 |
| b | M3 | 70 | | 100 | 81 | 91.45 | 91.3 | 99 | 80 | 99 | 98.77 | Yeterli ✓ / Sufficient ✓ | 91.3 |
| c | M3 | 80 | | 100 | 81 | 91.45 | 91.3 | 93 | 74 | 93 | 91.36 | Yeterli ✓ / Sufficient ✓ | 91.3 |
| e | M3 | 70 | | 100 | 81 | 91.45 | 91.3 | 99 | 80 | 99 | 98.77 | Yeterli ✓ / Sufficient ✓ | 91.3 |

| Program Çıktısı/ Program Outcome | Yeterlilik Hesaplama Yöntemi/ Method | (Ortalama) Yeterlilik Notu/ Minimum Successful Grade | Yeterlilik Eşiği (%) / Treshold Percentage (%) | Toplam Öğrenci Sayısı/ Number of Students (All) | Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.) | Tüm Öğrenci Ort. / Average (All Std.) | Dept. Öğrenci Ort. / Average (Dept. Std.) | Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All) | Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.) | Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All) | Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.) | Performans / Performance | Yeterlilik Oranı / Success Ratio |
|--|---|---|---|--|--|--|--|---|---|---|---|-----------------------------|-------------------------------------|
| CTIS 221 - Nesneye Yönelik Programlama / CTIS 221 - Object Oriented Programming | | | | | | | | | | | | | |
| a | M3 | 55 | | 86 | 83 | 73.81 | 73.65 | 73 | 70 | 84.88 | 84.34 | Yeterli ✓ / Sufficient ✓ | 73.65 |
| b | M3 | 55 | | 86 | 83 | 78.56 | 78.49 | 85 | 82 | 98.84 | 98.8 | Yeterli ✓ / Sufficient ✓ | 78.49 |
| CTIS 255 - Önyüz Web Teknolojileri / CTIS 255 - Frontend Web Technologies | | | | | | | | | | | | | |
| b | M3 | 40 | | 91 | 85 | 66.45 | 66.25 | 87 | 81 | 95.6 | 95.29 | Yeterli ✓ / Sufficient ✓ | 66.25 |
| CTIS 256 - Arkayüz Uygulama Geliştirmeye Giriş / CTIS 256 - Introduction to Backend Development | | | | | | | | | | | | | |
| a | M3 | 40 | | 45 | 43 | 65.94 | 65.29 | 44 | 42 | 97.78 | 97.67 | Yeterli ✓ / Sufficient ✓ | 65.29 |
| b | M3 | 40 | | 45 | 43 | 65.94 | 65.29 | 44 | 42 | 97.78 | 97.67 | Yeterli ✓ / Sufficient ✓ | 65.29 |
| d | M3 | 40 | | 45 | 43 | 65.94 | 65.29 | 44 | 42 | 97.78 | 97.67 | Yeterli ✓ / Sufficient ✓ | 65.29 |
| CTIS 259 - Veri Tabanı Yönetim Sistemleri ve Uygulamaları / CTIS 259 - Database Management Systems and Applications | | | | | | | | | | | | | |
| a | M3 | 50 | | 92 | 88 | 68.46 | 68.12 | 80 | 76 | 86.96 | 86.36 | Yeterli ✓ / Sufficient ✓ | 68.12 |
| b | M3 | 50 | | 92 | 88 | 75.03 | 74.77 | 78 | 75 | 84.78 | 85.23 | Yeterli ✓ / Sufficient ✓ | 74.77 |
| CTIS 261 - Bilgisayar Ağlarının Temelleri / CTIS 261 - Fundamentals of Computer Networks | | | | | | | | | | | | | |
| a | M3 | 50 | | 87 | 87 | 65.9 | 65.9 | 74 | 74 | 85.06 | 85.06 | Yeterli ✓ / Sufficient ✓ | 65.9 |
| b | M3 | 60 | | 87 | 87 | 88.39 | 88.39 | 85 | 85 | 97.7 | 97.7 | Yeterli ✓ / Sufficient ✓ | 88.39 |
| CTIS 310 - Dönem Stajı / CTIS 310 - Semester Internship | | | | | | | | | | | | | |
| a | M3 | 75 | | 28 | 28 | 93.9 | 93.9 | 28 | 28 | 100 | 100 | Yeterli ✓ / Sufficient ✓ | 93.9 |
| c | M3 | 75 | | 28 | 28 | 93.32 | 93.32 | 27 | 27 | 96.43 | 96.43 | Yeterli ✓ / Sufficient ✓ | 93.32 |
| d | M3 | 75 | | 28 | 28 | 95.29 | 95.29 | 28 | 28 | 100 | 100 | Yeterli ✓ / Sufficient ✓ | 95.29 |

| Program Çıktısı/ Program Outcome | Yeterlilik Hesaplama Yöntemi/ Method | (Ortalama) Yeterlilik Notu/ Minimum Successful Grade | Yeterlilik Eşiği (%) / Threshold Percentage (%) | Toplam Öğrenci Sayısı/ Number of Students (All) | Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.) | Tüm Öğrenci Ort. / Average (All Std.) | Dept. Öğrenci Ort. / Average (Dept. Std.) | Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All) | Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.) | Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All) | Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.) | Performans / Performance | Yeterlilik Oranı / Success Ratio |
|--|---|---|--|--|--|--|--|---|---|--|---|-----------------------------|-------------------------------------|
| CTIS 310 - Dönem Stajı / CTIS 310 - Semester Internship | | | | | | | | | | | | | |
| e | M3 | 75 | | 28 | 28 | 95.71 | 95.71 | 28 | 28 | 100 | 100 | Yeterli ✓ / Sufficient ✓ | 95.71 |
| f | M3 | 75 | | 28 | 28 | 95.08 | 95.08 | 28 | 28 | 100 | 100 | Yeterli ✓ / Sufficient ✓ | 95.08 |
| CTIS 359 - Yazılım Mühendisliğinin Esasları / CTIS 359 - Principles of Software Engineering | | | | | | | | | | | | | |
| a | M3 | 55 | | 53 | 51 | 63.53 | 62.64 | 40 | 38 | 75.47 | 74.51 | Yeterli ✓ / Sufficient ✓ | 62.64 |
| c | M3 | 55 | | 53 | 51 | 58 | 57.09 | 31 | 29 | 58.49 | 56.86 | Yeterli ✓ / Sufficient ✓ | 57.09 |
| CTIS 365 - Uygulamalı Veri Analizi / CTIS 365 - Applied Data Analysis | | | | | | | | | | | | | |
| a | M3 | 55 | | 64 | 64 | 59.06 | 59.06 | 38 | 38 | 59.38 | 59.38 | Yeterli ✓ / Sufficient ✓ | 59.06 |
| b | M3 | 60 | | 64 | 64 | 85.99 | 85.99 | 61 | 61 | 95.31 | 95.31 | Yeterli ✓ / Sufficient ✓ | 85.99 |
| c | M3 | 60 | | 64 | 64 | 64.22 | 64.22 | 44 | 44 | 68.75 | 68.75 | Yeterli ✓ / Sufficient ✓ | 64.22 |
| CTIS 411 - Bitirme Projesi I / CTIS 411 - Senior Project I | | | | | | | | | | | | | |
| a | M3 | 70 | | 114 | 114 | 81.11 | 81.11 | 100 | 100 | 87.72 | 87.72 | Yeterli ✓ / Sufficient ✓ | 81.11 |
| b | M3 | 70 | | 114 | 114 | 75.83 | 75.83 | 78 | 78 | 68.42 | 68.42 | Yeterli ✓ / Sufficient ✓ | 75.83 |
| c | M3 | 70 | | 114 | 114 | 89.58 | 89.58 | 114 | 114 | 100 | 100 | Yeterli ✓ / Sufficient ✓ | 89.58 |
| e | M3 | 70 | | 114 | 114 | 85.62 | 85.62 | 104 | 104 | 91.23 | 91.23 | Yeterli ✓ / Sufficient ✓ | 85.62 |
| CTIS 487 - Mobil Uygulama Geliştirme / CTIS 487 - Mobile Application Development | | | | | | | | | | | | | |
| b | M3 | 50 | | 75 | 75 | 70.76 | 70.76 | 71 | 71 | 94.67 | 94.67 | Yeterli ✓ / Sufficient ✓ | 70.76 |
| CTIS 496 - Bilgisayar ve Ağ Güvenliği / CTIS 496 - Computer and Network Security | | | | | | | | | | | | | |
| a | M3 | 50 | | 78 | 77 | 66.88 | 66.47 | 66 | 65 | 84.62 | 84.42 | Yeterli ✓ / Sufficient ✓ | 66.47 |
| b | M3 | 50 | | 78 | 77 | 66.88 | 66.47 | 66 | 65 | 84.62 | 84.42 | Yeterli ✓ / Sufficient ✓ | 66.47 |

| Program Çıktısı/ Program Outcome | Yeterlilik Hesaplama Yöntemi/ Method | (Ortalama) Yeterlilik Notu/ Minimum Successful Grade | Yeterlilik Eşiği (%) / Threshold Percentage (%) | Toplam Öğrenci Sayısı/ Number of Students (All) | Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.) | Tüm Öğrenci Ort. / Average (All Std.) | Dept. Öğrenci Ort. / Average (Dept. Std.) | Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All) | Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.) | Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All) | Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.) | Performans / Performance | Yeterlilik Oranı / Success Ratio |
|---|---|---|--|--|--|--|--|--|---|--|---|-----------------------------|-------------------------------------|
| ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I | | | | | | | | | | | | | |
| c | M1 | 70 | 75 | 1702 | 82 | 82.4 | 81.57 | 1593 | 76 | 93.6 | 92.68 | Yeterli ✓ / Sufficient ✓ | 92.68 |
| ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II | | | | | | | | | | | | | |
| c | M1 | 70 | 70 | 616 | 29 | 86.42 | 86.32 | 603 | 28 | 97.89 | 96.55 | Yeterli ✓ / Sufficient ✓ | 96.55 |
| GE 100 - Üniversite Hayatına Giriş / GE 100 - Orientation | | | | | | | | | | | | | |
| c | M1 | 12 | 80 | 1678 | 79 | 97.32 | 96.96 | 1678 | 79 | 100 | 100 | Yeterli ✓ / Sufficient ✓ | 100 |
| g | M1 | 12 | 80 | 1678 | 79 | 97.32 | 96.96 | 1678 | 79 | 100 | 100 | Yeterli ✓ / Sufficient ✓ | 100 |
| GE 251 - Üniversite Etkinlik Programı II / GE 251 - Collegiate Activities Program II | | | | | | | | | | | | | |
| c | M1 | 70 | 70 | 974 | 47 | 92.76 | 91.38 | 898 | 43 | 92.2 | 91.49 | Yeterli ✓ / Sufficient ✓ | 91.49 |
| g | M1 | 70 | 70 | 974 | 47 | 92.76 | 91.38 | 898 | 43 | 92.2 | 91.49 | Yeterli ✓ / Sufficient ✓ | 91.49 |
| HCIV 101 - Uygarlık Tarihi I / HCIV 101 - History of Civilization I | | | | | | | | | | | | | |
| c | M1 | 70 | 75 | 435 | 68 | 86.33 | 88.21 | 405 | 65 | 93.1 | 95.59 | Yeterli ✓ / Sufficient ✓ | 95.59 |
| e | M1 | 70 | 75 | 435 | 68 | 86.33 | 88.21 | 405 | 65 | 93.1 | 95.59 | Yeterli ✓ / Sufficient ✓ | 95.59 |
| HCIV 102 - Uygarlık Tarihi II / HCIV 102 - History of Civilization II | | | | | | | | | | | | | |
| c | M1 | 70 | 75 | 118 | 19 | 87.43 | 85.25 | 111 | 17 | 94.07 | 89.47 | Yeterli ✓ / Sufficient ✓ | 89.47 |
| e | M1 | 70 | 75 | 118 | 19 | 87.43 | 85.25 | 111 | 17 | 94.07 | 89.47 | Yeterli ✓ / Sufficient ✓ | 89.47 |
| HCIV 102 - Uygarlık Tarihi II / HIST 200 - History of Turkey | | | | | | | | | | | | | |
| c | M1 | 70 | 75 | 1036 | 59 | 93.59 | 93.53 | 1026 | 57 | 99.03 | 96.61 | Yeterli ✓ / Sufficient ✓ | 96.61 |
| e | M1 | 70 | 75 | 1036 | 59 | 93.59 | 93.53 | 1026 | 57 | 99.03 | 96.61 | Yeterli ✓ / Sufficient ✓ | 96.61 |

| Program Çıktısı/ Program Outcome | Yeterlilik Hesaplama Yöntemi/ Method | (Ortalama) Yeterlilik Notu/ Minimum Successful Grade | Yeterlilik Eşiği (%) / Threshold Percentage (%) | Toplam Öğrenci Sayısı/ Number of Students (All) | Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.) | Tüm Öğrenci Ort. / Average (All Std.) | Dept. Öğrenci Ort. / Average (Dept. Std.) | Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All) | Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.) | Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All) | Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.) | Performans / Performance | Yeterlilik Oranı / Success Ratio |
|---|---|---|--|--|--|--|--|---|---|---|---|-----------------------------|-------------------------------------|
| MATH 105 - Matematğe Giriş I / MATH 105 - Introduction to Calculus I | | | | | | | | | | | | | |
| a | M1 | 40 | 40 | 370 | 7 | 62.72 | 44.71 | 315 | 4 | 85.14 | 57.14 | Yeterli ✓ / Sufficient ✓ | 57.14 |
| c | M1 | 40 | 40 | 370 | 7 | 62.72 | 44.71 | 315 | 4 | 85.14 | 57.14 | Yeterli ✓ / Sufficient ✓ | 57.14 |
| e | M1 | 40 | 40 | 370 | 7 | 62.72 | 44.71 | 315 | 4 | 85.14 | 57.14 | Yeterli ✓ / Sufficient ✓ | 57.14 |
| TURK 101 - Türkçe I / TURK 101 - Turkish I | | | | | | | | | | | | | |
| c | M1 | 70 | 60 | 1541 | 65 | 88.03 | 87.35 | 1519 | 65 | 98.57 | 100 | Yeterli ✓ / Sufficient ✓ | 100 |
| TURK 102 - Türkçe II / TURK 102 - Turkish II | | | | | | | | | | | | | |
| c | M1 | 70 | 60 | 637 | 24 | 90.42 | 90.95 | 626 | 24 | 98.27 | 100 | Yeterli ✓ / Sufficient ✓ | 100 |

3.3. PERFORMANS ÖLÇÜM SONUÇLARI / PERFORMANCE MEASUREMENT RESULTS

3.3.1. PROGRAM ÇIKTILARI PERFORMANS TABLOSU / PROGRAM OUTCOMES PERFORMANCE TABLE

| Dersler / Courses | Program Çıktıları / Program Outcomes | | | | | | |
|-------------------|--------------------------------------|---|---|---|---|---|---|
| | a | b | c | d | e | f | g |
| COMD 358 | | | ✓ | ✓ | ✓ | | |
| CTIS 151 | ✓ | | | | | | |
| CTIS 152 | ✓ | | | | | | |
| CTIS 163 | ✓ | | | | | | |
| CTIS 165 | ✓ | ✓ | ✓ | | ✓ | | |
| CTIS 221 | ✓ | ✓ | | | | | |
| CTIS 255 | | ✓ | | | | | |
| CTIS 256 | ✓ | ✓ | | ✓ | | | |
| CTIS 259 | ✓ | ✓ | | | | | |
| CTIS 261 | ✓ | ✓ | | | | | |
| CTIS 310 | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| CTIS 359 | ✓ | | ✓ | | | | |
| CTIS 365 | ✓ | ✓ | ✓ | | | | |
| CTIS 411 | ✓ | ✓ | ✓ | | ✓ | | |
| CTIS 487 | | ✓ | | | | | |
| CTIS 496 | ✓ | ✓ | | | | | |
| ENG 101 | | | ✓ | | | | |
| ENG 102 | | | ✓ | | | | |
| GE 100 | | | ✓ | | | | ✓ |
| GE 251 | | | ✓ | | | | ✓ |
| HCIV 101 | | | ✓ | | ✓ | | |
| HCIV 102 | | | ✓ | | ✓ | | |
| HIST 200 | | | ✓ | | ✓ | | |
| MATH 105 | ✓ | | ✓ | | ✓ | | |
| TURK 101 | | | ✓ | | | | |
| TURK 102 | | | ✓ | | | | |

Tablo.3.3.1. 2024-2025 Akademik Yılı Güz Dönemi Bilişim Sistemleri ve Teknolojileri Lisans Programı Program Çıktıları Performans Tablosu / **Table.3.3.1.** 2024-2025 Academic Year Fall Semester Information Systems and Technologies Undergraduate Program - Program Outcomes Performance Table

3.3.2. PROGRAM ÇIKTILARI PERFORMANS ORANLARI / PROGRAM OUTCOMES PERFORMANCE RATES

| Dersler / Courses | Program Çıktıları / Program Outcomes | | | | | | |
|----------------------|--------------------------------------|-------|-------|-------|-------|-------|-------|
| | a | b | c | d | e | f | g |
| COMD 358 | | | 100 | 100 | 100 | | |
| CTIS 151 | 70.91 | | | | | | |
| CTIS 152 | 68.6 | | | | | | |
| CTIS 163 | 72.15 | | | | | | |
| CTIS 165 | 58.32 | 91.3 | 91.3 | | 91.3 | | |
| CTIS 221 | 73.65 | 78.49 | | | | | |
| CTIS 255 | | 66.25 | | | | | |
| CTIS 256 | 65.29 | 65.29 | | 65.29 | | | |
| CTIS 259 | 68.12 | 74.77 | | | | | |
| CTIS 261 | 65.9 | 88.39 | | | | | |
| CTIS 310 | 93.9 | | 93.32 | 95.29 | 95.71 | 95.08 | |
| CTIS 359 | 62.64 | | 57.09 | | | | |
| CTIS 365 | 59.06 | 85.99 | 64.22 | | | | |
| CTIS 411 | 81.11 | 75.83 | 89.58 | | 85.62 | | |
| CTIS 487 | | 70.76 | | | | | |
| CTIS 496 | 66.47 | 66.47 | | | | | |
| ENG 101 | | | 92.68 | | | | |
| ENG 102 | | | 96.55 | | | | |
| GE 100 | | | 100 | | | | 100 |
| GE 251 | | | 91.49 | | | | 91.49 |
| HCIV 101 | | | 95.59 | | 95.59 | | |
| HCIV 102 | | | 89.47 | | 89.47 | | |
| HIST 200 | | | 96.61 | | 96.61 | | |
| MATH 105 | 57.14 | | 57.14 | | 57.14 | | |
| TURK 101 | | | 100 | | | | |
| TURK 102 | | | 100 | | | | |

Tablo.3.3.2. 2024-2025 Akademik Yılı Güz Dönemi Bilişim Sistemleri ve Teknolojileri Lisans Programı Program Çıktıları Performans Oranları Tablosu / **Table.3.3.2.** 2024-2025 Academic Year Fall Semester Information Systems and Technologies Undergraduate Program - Program Outcomes Performance Rates Table