

**Kapatılan Bursa Orhangazi Üniversitesi**  
**Bilgisayar Mühendisliği Ders Planı**

**1. Dönem**

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
CEN101	Introduction to Computer Engineering		2	0	2	6
CEN113	Computer Programming I		2	2	3	8
PHY101	Physics I		3	2	4	6
MTH101	Mathematics I		4	0	4	6
TUR113	Turkish I		2	0	0	2
ENG111	English I		2	0	2	2
<b>Toplam Kredi :</b>			<b>15</b>	<b>4</b>	<b>15</b>	<b>30</b>

**2. Dönem**

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
CEN102	Electronic Circuits and Devices		2	0	2	6
CEN114	Computer Programming II		2	2	3	8
PHY102	Physics II		3	2	4	6
MTH102	Mathematics II		4	0	4	6
TUR114	Turkish II		2	0	0	2
ENG112	English II		2	0	2	2
<b>Toplam Kredi :</b>			<b>15</b>	<b>4</b>	<b>15</b>	<b>30</b>

**3. Dönem**

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
CEN201	Object Oriented Programming		3	2	4	6
EEE203	Digital Design		3	2	4	6
MTH201	Differential Equations		4	0	4	6
MTH203	Discrete Mathematics		3	0	3	5
MTH209	Probability and Statistics		3	0	3	5
ATA113	Atatürk's Principles And The History of Turkish Revolution I		2	0	0	2
<b>Toplam Kredi :</b>			<b>18</b>	<b>4</b>	<b>18</b>	<b>30</b>

**4. Dönem**

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
CEN202	Data Structures		3	2	4	6
CEN204	Programming Languages		3	0	3	6
CEN208	Computer Organization		3	0	3	6
MTH210	Numerical Analysis		3	0	3	5
EEE206	Signals and Systems		4	0	4	5
ATA114	Atatürk's Principles And The History of Turkish Revolution II		2	0	0	2
STJ202	Summer Practice I (30 Workdays)		0	0	0	0
<b>Toplam Kredi :</b>			<b>18</b>	<b>2</b>	<b>17</b>	<b>30</b>

**5. Dönem**

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
CEN301	Database Management Systems		3	2	4	7
CEN303	Algorithm Analysis		3	0	3	6
CEN305	Research Methods and Reporting		3	0	3	5
EEE303	Microprocessor		3	0	3	6
XXXxxx	Non Technical Elective I		3	0	3	6
<b>Toplam Kredi :</b>			<b>15</b>	<b>2</b>	<b>16</b>	<b>30</b>

## 6. Dönem

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
CEN302	Web Programming		3	2	4	7
CEN304	Operating Systems		3	0	3	6
CEN306	Automata Theory And Formal Languages		3	0	3	5
EEE306	Microcontrollers		3	2	4	6
XXXxxx	Non Technical Elective II		3	0	3	6
STJ302	Summer Practice II (30 Workdays)		0	0	0	0
<b>Toplam Kredi :</b>			<b>15</b>	<b>4</b>	<b>17</b>	<b>30</b>

## 7. Dönem

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
CEN401	Senior Design for Computer Engineering		2	0	2	6
CENxxx	Technical Elective I		3	0	3	6
CENxxx	Technical Elective II		3	0	3	6
CENxxx	Technical Elective III		3	0	3	6
XXXxxx	Non Technical Elective III		3	0	3	6
<b>Toplam Kredi :</b>			<b>14</b>	<b>0</b>	<b>14</b>	<b>30</b>

## 8. Dönem

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
CEN402	Graduation Project		0	4	2	6
CENxxx	Technical Elective VI		3	0	3	6
CENxxx	Technical Elective IV		3	0	3	6
CENxxx	Technical Elective V		3	0	3	6
XXXxxx	Non Technical Elective IV		3	0	3	6
<b>Toplam Kredi :</b>			<b>12</b>	<b>4</b>	<b>14</b>	<b>30</b>

## NON TECHNICAL ELECTIVE COURSES

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
XXXxxx	Marketing Policies		3	0	3	6
XXXxxx	Economy		3	0	3	6
XXXxxx	Safety and health at work		3	0	3	6
XXXxxx	Quality Management		3	0	3	6
XXXxxx	Entrepreneurship		3	0	3	6
XXXxxx	Production Management		3	0	3	6
XXXxxx	Job Management		3	0	3	6
XXXxxx	Environmental Protection		3	0	3	6
XXXxxx	Environmental Protection and Organization		3	0	3	6
<b>Toplam Kredi :</b>			<b>27</b>	<b>0</b>	<b>27</b>	<b>54</b>

## TECHNICAL ELECTIVE COURSES

Ders Kodu	Ders Adı	Z/S	T	U	K	AKTS
CEN403	Special Topics in Database Systems		3	0	3	6
CEN405	Introduction to Web Engineering		3	0	3	6
CEN407	Introduction to Computer Graphics		3	0	3	6
CEN409	Computer Architecture		3	0	3	6
CEN411	Software Engineering		3	0	3	6
CEN413	Introduction to Logic Programming		3	0	3	6
CEN415	Introduction to MIS		3	0	3	6
CEN417	Introduction to Data Mining		3	0	3	6
CEN419	Human-Computer interaction		3	0	3	6
CEN421	System Programming		3	0	3	6
EEE403	Robotic		3	0	3	6
EEE405	Digital Signal Processing		3	0	3	6
EEE406	Computer Networks		3	0	3	6
CEN404	Introduction to Network Programming		3	0	3	6
CEN406	Introduction to Network Security		3	0	3	6
CEN408	Introduction to Mobile Programming		3	0	3	6
CEN410	Introduction to Artificial Intelligence		3	0	3	6
CEN412	Introduction to Pattern Recognition		3	0	3	6
CEN414	Introduction to Machine Learning		3	0	3	6
CEN416	Introduction to Programming Lang. Design		3	0	3	6
CEN418	Introduction to E-Bus./E-Commerce		3	0	3	6
CEN420	Introduction to Logic Programming		3	0	3	6
CEN422	Distributed Systems		3	0	3	6
EEE410	Audio and Speech Processing		3	0	3	6
EEE412	Wireless Networks		3	0	3	6
EEE413	Control with computers		3	0	3	6
<b>Toplam Kredi :</b>			<b>78</b>	<b>0</b>	<b>78</b>	<b>156</b>

**Total Credits of Courses : 129**

**Total ECTS of Courses : 240**

**Note :**

- 1) Students must take at least 4 Social Elective Courses and 8 Technical Elective Courses.
- 2) Internships are required a total of 60 workdays.

**Abbreviations :**

**T** : Theoretical Lessons Per Week

**P** : Weekly Practice/Laboratory Lessons

**C** : Course Credits

**ECTS** : Europe Credit Transfer System

Ders Planlarına ait bilgiler 23.07.2016 tarih ve 29779 sayılı Resmi Gazete'de yayımlanan 667 sayılı KHK 2 nci maddesi ile kapatılan Bursa Orhangazi Üniversitesinin veri tabanından alınan bilgilere göre Bursa Teknik Üniversitesi tarafından hazırlanmıştır.

Bu belge onalanmayacak olup, doğruluğu <http://oidb.btu.edu.tr/index.php?page=duyuru&id=8032> adresinden teyit edilebilir.