

ISTANBUL TECHNICAL UNIVERSITY  
TRANSCRIPT



Student ID : 509181115  
Surname : Kolay  
Name : Orçun  
Birth Place : Tire  
Birth Date : 31-01-1995  
Father Name : Engin

Republic of Turkey ID No : 28526004456  
Level : Graduate  
Reg. Date : 11-07-2018  
Reg. Type : Graduate Standard Application  
Graduation Date : 02-08-2021

2018-2019 / Fall

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
FIZ 501E	Electromagnetic Theory	3.00	BA	Physics Engineering					
FIZ 519	Quantum Mechanics I	3.00	BA	Term	9.00	9.00	9.00	33.00	3.67
FIZ 596	Scientific Research, Ethic and Seminar	0.00	BL	Total	9.00	9.00	9.00	33.00	3.67
FIZ 625	Quantum Field Theory I	3.00	AA						

2018-2019 / Spring

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
FIZ 516	Quantum Mechanics II	3.00	AA	Physics Engineering					
FIZ 627	Quantum Field Theory II	3.00	AA	Term	9.00	9.00	9.00	36.00	4.00
FIZ 657E	Special Topics in High Energy Physics I	3.00	AA	Total	18.00	18.00	18.00	69.00	3.83

2019-2020 / Fall

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
FIZ 503E	Mathematical Methods in Physics	3.00	BA	Physics Engineering					
FIZ YLT	Thesis	0.00	G *	Term	3.00	3.00	3.00	10.50	3.50
				Total	21.00	21.00	21.00	79.50	3.79

2019-2020 / Spring

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
FIZ 659E	Special Topics in High Energy Physics II	3.00	AA	Physics Engineering					
FIZ YLT	Thesis	0.00	G *	Term	3.00	3.00	3.00	12.00	4.00
				Total	24.00	24.00	24.00	91.50	3.81

  
Yıldız BÜYÜKÇOLAK  
Registrar

ISTANBUL TECHNICAL UNIVERSITY  
TRANSCRIPT



Student ID : 509181115 Republic of Turkey ID No : 28526004456  
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Name : Orçun Reg. Date : 11-07-2018  
Birth Place : Tire Reg. Type : Graduate Standard Application  
Birth Date : 31-01-1995 Graduation Date : 02-08-2021  
Father Name : Engin

2020-2021 / Fall

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
FIZ	YLT	0.00	G *	Physics Engineering					
				Term	0.00	0.00	0.00	0.00	0.00
				Total	24.00	24.00	24.00	91.50	3.81

2020-2021 / Spring

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
FIZ	YLT	0.00	BL	Physics Engineering					
				Term	0.00	0.00	0.00	0.00	0.00
				Total	24.00	24.00	24.00	91.50	3.81

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Yıldız BÜYÜKÇOLAK  
Registrar

# ISTANBUL TECHNICAL UNIVERSITY

Registrar's Office  
Ayazağa Campus , Maslak 34469 İstanbul-TURKEY  
Tel: +90 (212) 365 78 00 (100 pbx) Fax: +90 (212) 285 29 09

## NOTES

All official documents pertaining to student records must bear hot stamped security hologram of ITU and signature of the Registrar.

### CODES FOR COURSES IN ENGLISH

Courses in English are shown with the letter E at the end of course codes.

### GRADING SYSTEM

<u>Letter Grades</u>	<u>Grade Points</u>
AA	4.00
BA	3.50
BB	3.00
CB	2.50
CC	2.00
FF	0.00
VF	0.00

T:Withdrawal, M:Exempted,  
E:Incomplete,  
BL: Passed the course without credit,  
BZ: Failed the course without credit.

### GRADE AVERAGES

- Grades shown as T, E, M are not included in grade average.

Courses can be repeated to improve Grade Point Average. Compulsory courses with FF, VF and BZ grades must be repeated. Repeated courses are indicated with an asterisk (\*) in the transcript. When Grade Point Average is calculated, the recent grade taken from the repeated courses is used in the Grade Point Average.

## THE COURSES TAKEN FROM UNDERGRADUATE LEVEL FOR DEFICIENCY PROGRAM

### GRADING SYSTEM

<u>Grades</u>	<u>Letter Grades</u>	<u>GradePoints</u>
Excellent	AA	4.00
Good-Excellent	BA	3.50
Good	BB	3.00
Good-Average	CB	2.50
Satisfactory	CC	2.00
Fail	DC	1.50
Fail	DD	1.00
Fail	FF	0.00
Failure without Midterm	VF	0.00

T:Withdrawal, M:Exempted,  
E:Incomplete

### CREDITS

The credits of a graduate course is equal to weekly theoretical lecture hours plus one half of practice, laboratory and project hours.

- A.Crd : Number of credits attended is the total number of courses the student registered.
- E.Crd : Number of credits completed is the total number of courses except the ones with T, E, FF, VF.
- U.Crd : Grades included in the Grade Point Average are the total number of credits except T, E, M.
- GPA : Grade Point Average
- ECTS : Number of credits according to European Credit Transfer and Accumulation System.  
ECTS credits are shown in the transcripts of students who began to take lessons from 2013-2014 academic year.

In a graduate program, a student must achieve at least 3.00 weighted Grade Point Average in order to qualify for graduation.

# ISTANBUL TECHNICAL UNIVERSITY TRANSCRIPT



Student ID : 040130047  
Surname : Kolay  
Name : Orçun  
Birth Place : Tire  
Birth Date : 31-01-1995  
Father Name : Engin

Republic of Turkey ID No : 28526004456  
Level : Undergraduate  
Reg. Date : 02-09-2013  
Reg. Type : Standard Student Selection Exam  
Graduation Date : 27-06-2018

## 2014-2015 / Fall

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
EHB 111	Introduction to Electronics and Communication Engineering	1.00	BB	Electronics and Communication Engineering					
				Term	23.00	23.00	23.00	69.50	3.02
ETK 101	Engineering Ethics	1.00	CB	Total	23.00	23.00	23.00	69.50	3.02
FIZ 101	Physics I	3.00	AA	Acad. Stan.	Good				
FIZ 101EL	Physics I Laboratory	1.00	AA	Dean List	Honor List				
ING 101	English I	3.00	BB						
KIM 101	General Chemistry I	3.00	BA						
KIM 101EL	General Chemistry I Laboratory	1.00	BA						
MAT 101E	Mathematics I	5.00	BB						
MAT 281E	Linear Algebra and Applications	3.00	CC *						
TUR 101	Turkish I	2.00	CC *						

## 2014-2015 / Spring

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
BIL 101E	Intro. to Computer and Inf.Systems	1.50	M	Electronics and Communication Engineering					
FIZ 106	Physics II	3.00	AA	Term	21.50	21.50	20.00	65.00	3.25
FIZ 106EL	Physics II Laboratory	1.00	AA	Total	44.50	44.50	43.00	134.50	3.13
ING 102	English II	3.00	BA	Acad. Stan.	Good				
MAL 201	Materials Science	3.00	BA	Dean List	Honor List				
MAT 102E	Mathematics II	5.00	CB						
MAT 271	Probability and Statistics	3.00	BA						
TUR 102	Turkish II	2.00	CB						

## 2015-2016 / Fall

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
ATA 101	History of Turkish Revolution I	2.00	CB *	Electronics and Communication Engineering					
BIL 105E	Int to Scientific and Engineering Computing (C)	3.00	CC	Term	24.00	24.00	24.00	74.50	3.10
EHB 211E	Basics of Electrical Circuits	3.00	BA	Total	68.50	65.50	64.00	203.00	3.17
EHB 231	Electronics I	3.00	BB	Physics Engineering (Minor)					
FIZ 201E	Modern Physics	3.00	CB *	Term	0.00	0.00	0.00	0.00	0.00
ING 201	English III	3.00	AA	Total	0.00	0.00	0.00	0.00	0.00
MAT 201	Differential Equations	4.00	BA	General					
MAT 281	Linear Algebra and Applications	3.00	BA	Term	24.00	24.00	24.00	74.50	3.10
				Total	68.50	65.50	64.00	203.00	3.17
				Acad. Stan	Good				
				Dean List	Honor List				

## 2015-2016 / Spring

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
BLG 221	Data Structures	3.00	CC *	Electronics and Communication Engineering					
EHB 212	Introduction to Electromagnetic Fields	3.00	BA	Term	19.00	19.00	19.00	55.50	2.92
EHB 221	Basics of Electric Circuits Lab.	1.00	BB	Total	87.50	84.50	83.00	258.50	3.11
EHB 232	Circuit and System Analysis	3.00	CB	Physics Engineering (Minor)					
EHB 252	Signals and Systems	3.00	BB	Term	3.00	0.00	3.00	0.00	0.00
EHB 262E	Electronics II	3.00	BB	Total	3.00	0.00	3.00	0.00	0.00
FIZ 434E	Microprocessors	3.00	FF	General					
MAT 202	Numerical Methods	3.00	BA	Term	22.00	19.00	22.00	55.50	2.52
				Total	90.50	84.50	86.00	258.50	3.01
				Acad. Stan	Good				

  
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Republic of Turkey ID No : 28526004456  
Level : Undergraduate  
Reg. Date : 02-09-2013  
Reg. Type : Standard Student Selection Exam  
Graduation Date : 27-06-2018

### 2015-2016 / Summer

Lec. Code	Title	Crd.	Grd.	A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
BLG 231E	Digital Circuits	3.00	BB	Electronics and Communication Engineering				
KON 317	Automatic Control Systems	3.00	BA	Term	6.00	6.00	6.00	19.50
				Total	93.50	90.50	89.00	278.00
				Physics Engineering (Minor)				
				Term	0.00	0.00	0.00	0.00
				Total	3.00	0.00	3.00	0.00
				General				
				Term	6.00	6.00	6.00	19.50
				Total	96.50	90.50	92.00	278.00
				Acad. Stan	Good			

### 2016-2017 / Fall

Lec. Code	Title	Crd.	Grd.	A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
ATA 101	History of Turkish Revolution I	2.00	BA	Electronics and Communication Engineering				
EHB 311	Introduction to Electronics Laboratory	1.00	BA	Term	23.00	23.00	78.50	3.41
EHB 313	Electromagnetic Waves	3.00	BB	Total	116.50	106.50	340.00	3.24
EHB 315	Digital Signal Processing	3.00	BB	Physics Engineering (Minor)				
EHB 335	Analog Electronic Circuits	3.00	CB	Term	3.00	3.00	9.00	3.00
EHB 351	Analog Communication	3.00	BA	Total	6.00	3.00	9.00	1.50
FIZ 201E	Modern Physics	3.00	AA	General				
FIZ 463E	Astrophysics I	3.00	BB	Term	26.00	26.00	87.50	3.37
SNT 112	Theater	3.00	AA	Total	122.50	109.50	349.00	3.14
TUR 101	Turkish I	2.00	AA	Acad. Stan	Good			
				Dean List	Honor List			

### 2016-2017 / Spring

Lec. Code	Title	Crd.	Grd.	A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
ATA 102	History of Turkish Revolution II	2.00	AA	Electronics and Communication Engineering				
BLG 221	Data Structures	3.00	AA	Term	24.00	24.00	93.50	3.90
EHB 352	Digital Communication	3.00	BA	Total	140.50	127.50	427.50	3.39
EHB 362	Microwave Engineering	3.00	AA	Physics Engineering (Minor)				
EHB 372	Digital Signal Processing Design and Applications	3.00	AA	Term	4.00	4.00	6.00	1.50
EHB 412	Digital System Laboratory	1.00	BB	Total	10.00	7.00	15.00	1.50
FIZ 311E	Quantum Mechanics I	4.00	DC	General				
HUK 201	Labor Law	3.00	AA	Term	28.00	28.00	99.50	3.55
ITB 202	World History	3.00	AA	Total	150.50	134.50	442.50	3.25
STA 204	Statics and Strength of Materials	3.00	AA	Acad. Stan	Good			
				Dean List	High Honor List			

### 2017-2018 / Fall

Lec. Code	Title	Crd.	Grd.	A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
BLG 212E	Microprocessor Systems	3.00	AA	Electronics and Communication Engineering				
EHB 465E	Fiberoptic Communication Systems	3.00	BA	Term	15.00	15.00	58.50	3.90
EHB 473	Microwave and RF Communication	3.00	AA	Total	155.50	142.50	486.00	3.45
EHB 477	Fundamentals of Electromagnetic Compatibility	3.00	AA	Physics Engineering (Minor)				
EHB 481	Basic Communication Laboratory	3.00	AA	Term	7.00	7.00	22.50	3.21
FIZ 352E	Quantum Mechanics II	4.00	BB	Total	17.00	14.00	37.50	2.21
FIZ 446E	Particle Physics	3.00	BA	General				
				Term	22.00	22.00	81.00	3.68
				Total	172.50	156.50	523.50	3.31
				Acad. Stan	Good			
				Dean List	High Honor List			

  
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2017-2018 / Spring

Lec. Code	Title	Crd.	Grd.		A.Crd.	E. Crd.	U.Crd.	Q.Point	GPA
EHB 420E	Artificial Neural Networks	3.00	AA	Electronics and Communication Engineering					
EHB 466	Remote Sensing	3.00	AA	Term	12.00	12.00	12.00	46.50	3.88
EHB 468	Principles of Electromagnetic Compatibility Measurements	3.00	BA	Total	167.50	154.50	153.00	532.50	3.48
EHB 492E	Graduation Project	3.00	AA	Physics Engineering (Minor)					
FIZ 431E	Solid State Physics I	4.00	BA	Term	10.00	10.00	10.00	33.50	3.35
FIZ 453	Quantum Mechanics III	3.00	AA	Total	27.00	24.00	27.00	71.00	2.63
FIZ 466E	Astrophysics II	3.00	CB	General					
				Term	22.00	22.00	22.00	80.00	3.64
				Total	194.50	178.50	180.00	603.50	3.35
				Acad. Stan	Good				
				Dean List	High Honor List				

Internship Info

Company	Due Date	Duration	Program
İtù Gstl	06.06.2016 - 18.07.2016	20 Days	Electronics and Communication Engineering
Mitos Medikal Teknolojiler San. Ve Tic. A.Ş.	12.06.2017 - 14.07.2017	20 Days	Electronics and Communication Engineering
Aselsan A.Ş.	07.08.2017 - 25.08.2017	15 Days	Electronics and Communication Engineering

\*\* End of Document \*\*

  
Yıldız BÜYÜKÇOLAK  
Registrar

# ISTANBUL TECHNICAL UNIVERSITY

## Registrar's Office

Ayazaga Campus, 34469 Maslak – Istanbul

Tel: +90 (212) 365 78 00 (100 pbx) Fax: +90 (212) 285 29 09

## EXPLANATIONS

All official documents pertaining to student records must bear hot stamped security hologram of ITU and signature of the Registrar.

### STATUS AND DURATION OF UNDERGRADUATE STUDIES

Excluding the Time that the student took to complete the required English courses offered by the ITU Foreign Language School and summer school, the time span to complete Undergraduate studies in all ITU Departments is 8 semesters..

In addition to meeting the requirements of the school which the student is registered, min. 30% of the total credit hours completed must be comprised of English courses. Courses in English are shown with the letter E at the end of course codes.

### GRADING SYSTEM

The following grading system is used:

Grade	Letter Grade	Points
Excellent	AA	4.00
Good-Excellent	BA	3.50
Good	BB	3.00
Good-Satisfactory	CB	2.50
Satisfactory	CC	2.00
Satisfactory-Low Pass	DC	1.50
Low Pass	DD	1.00
Fail	FF	0.00
Failure without Midterm	VF	0.00

BL: Passed the course without credit.  
BZ: Failed the course without credit,  
T : Withdrawal E: Incomplete M: Exempt

### GRADE-POINT AVERAGE

GPA : Grade-Point Average for the Semester  
CGPA: Cumulative Grade-Point Average

- Courses marked T,E, BL, BZ or M are not considered in determining the average.
- Students may repeat a course in order to improve their Cumulative GPA.
- Students must repeat compulsory courses in which a grade of FF, VF and BZ was received. The symbol “\*” on the transcript indicates repeated course(s). When calculating the Cumulative GPA, only the last grade received remains on the student's record and is included in the grade point average.

### ACADEMIC CREDITS

- A Crd.: Indicates sum of total credit hours for course(s) a student is registered in.
- E Crd.: Credits earned. (Grades of T, E, M, BL, BZ, FF and VF are not.
- U.Crd.: Credits included in the grade-point average. (Grades of T, E, BL, BZ and M are not included in calculating the sum).
- ECTS : Number of credits according to European Credit Transfer and Accumulation System. ECTS credits are shown in the transcripts of students who began to take lessons from 2013-2014 academic year

### STUDENT STATUS

Class	Credits Earned
1 <sup>st</sup> Year	- 34.99
2 <sup>nd</sup> Year	35 - 74.99
3 <sup>rd</sup> Year	75 - 109.99
4 <sup>th</sup> Year	110 -

### ACADEMIC STANDING

	1 <sup>st</sup> & 2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year
Good Standing	GNO >= 1.80	GNO >= 1.90	GNO >= 2.00
Academic Probation	GNO < 1.80	GNO < 1.90	GNO < 2.00