

Northwestern University
633 Clark Street
Evanston, IL 60208
United States

Name: Demirbas,Efe
Student ID: 3385142

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Unofficial Transcript

Print Date: 2022-01-29

Beginning of The Graduate School Record

2021 Fall (09/21/2021- 12/11/2021)

Program: Mechanical Engineering: MS
Plan: Mechanical Engineering Major

| Course | Description | Attempted | Earned | Grade | Points |
|----------------|--------------------------------|------------------|---------------|------------------|---------------|
| ELEC_ENG 475-0 | Machine Learning: FAA | 1.000 | 1.000 | A | 4.000 |
| MECH_ENG 327-0 | Finite Elements for Stress Ana | 1.000 | 1.000 | A | 4.000 |
| MECH_ENG 425-0 | Fundamentals of Fluid Dynamics | 1.000 | 1.000 | B+ | 3.300 |
| MECH_ENG 449-0 | Robotic Manipulation | 1.000 | 1.000 | A | 4.000 |
| | | <u>Attempted</u> | <u>Earned</u> | <u>GPA Units</u> | <u>Points</u> |
| Term GPA | 3.825 Term Totals | 4.000 | 4.000 | 4.000 | 15.300 |

2022 Winter (01/03/2022- 03/19/2022)

Program: Mechanical Engineering: MS
Plan: Mechanical Engineering Major

| Course | Description | Attempted | Earned | Grade | Points |
|----------------|--------------------------------|------------------|---------------|------------------|---------------|
| MECH_ENG 333-0 | Intro to Mechatronics | 1.000 | 0.000 | | 0.000 |
| MECH_ENG 495-0 | Selected Top Mech Eng | 1.000 | 0.000 | | 0.000 |
| Course Topic: | Introduction to Additive Manuf | | | | |
| MEM 402-0 | Engineering Management | 1.000 | 0.000 | | 0.000 |
| MEM 407-0 | Decision Tools for Managers | 1.000 | 0.000 | | 0.000 |
| | | <u>Attempted</u> | <u>Earned</u> | <u>GPA Units</u> | <u>Points</u> |
| Term GPA | 0.000 Term Totals | 4.000 | 0.000 | 0.000 | 0.000 |

The Graduate School Career Totals
Cum GPA 3.825 Cum Totals 8.000 4.000 4.000 15.300

End of Unofficial Transcript



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this document.

ACADEMIC TRANSCRIPT

FAMILY NAME DEMİRBAŞ
GIVEN NAME EFE
STUDENT ID 2307429
FACULTY Engineering
**DEPARTMENT/
PROGRAM** Mechanical Engineering

DATE OF ENTRY August 11, 2017
DEGREES AWARDED B.S.
DATE OF GRADUATION July 26, 2021

| COURSE CODE | COURSE NAME | CREDITS | GRADE | POINTS |
|-------------------------|---|--------------|-------|--------------|
| 2017-2018 Fall | | | | |
| MATH119 | CALCULUS WITH ANALYTIC GEOMETRY | 5,00 | AA | 20,00 |
| ENG101 | ENGLISH FOR ACADEMIC PURPOSES I | 4,00 | AA | 16,00 |
| PHYS105 | GENERAL PHYSICS I | 4,00 | DC | 6,00 |
| CENG230 | INTRODUCTION TO C PROGRAMMING | 3,00 | CC | 6,00 |
| ME117 | COMPUTER AIDED ENGINEERING DRAWING | 3,00 | AA | 12,00 |
| IS100 | INTRODUCTION TO INFORMATION TECHNOLOGIES AND APPLICATIONS | 0,00 | EX | 0,00 |
| CumGPA: 3,16 | GPA: 3,16 STAN: HONOR | 19,00 | | 60,00 |
| 2017-2018 Spring | | | | |
| MATH120 | CALCULUS OF FUNCTIONS OF SEVERAL VARIABLES | 5,00 | BA | 17,50 |
| CHEM107 | GENERAL CHEMISTRY | 4,00 | BB | 12,00 |
| ENG102 | ENGLISH FOR ACADEMIC PURPOSES II | 4,00 | AA | 16,00 |
| PHYS106 | GENERAL PHYSICS II | 4,00 | BA | 14,00 |
| ME110 | INTRODUCTION TO MECHANICAL ENGINEERING | 2,00 | AA | 8,00 |
| OHS101 | OCCUPATIONAL HEALTH AND SAFETY-I | 0,00 * | U * | 0,00 * |
| CumGPA: 3,36 | GPA: 3,55 STAN: SUFFICIENT | 19,00 | | 67,50 |
| 2018-2019 Fall | | | | |
| MATH219 | INTRODUCTION TO DIFFERENTIAL EQUATIONS | 4,00 | CB | 10,00 |
| EE209 | FUNDAMENTALS OF ELECTRICAL ELECTRO. EN | 3,00 | CB | 7,50 |
| ENG211 | ACADEMIC ORAL PRESENTATION SKILLS | 3,00 | AA | 12,00 |
| ME203 | THERMODYNAMICS I | 3,00 | BA | 10,50 |
| ME205 | STATICS | 3,00 | AA | 12,00 |
| METE230 | FUNDAMENTALS OF MATERIALS SCIENCE AND ENGINEERING | 3,00 | BA | 10,50 |
| HIST2201 | PRINCIPLES OF KEMAL ATATÜRK I | 0,00 | S | 0,00 |
| OHS101 | OCCUPATIONAL HEALTH AND SAFETY-I | 0,00 | S | 0,00 |
| CumGPA: 3,33 | GPA: 3,29 STAN: HONOR | 19,00 | | 62,50 |
| 2018-2019 Spring | | | | |
| ME202 | MANUFACTURING TECHNOLOGIES | 3,00 | CB | 7,50 |
| ME204 | THERMODYNAMICS II | 3,00 | DD | 3,00 |
| ME206 | STRENGTH OF MATERIALS | 3,00 | AA | 12,00 |
| ME208 | DYNAMICS | 3,00 | CB | 7,50 |
| ME210 | APPLIED MATH. FOR MECHANICAL ENGINEERS | 3,00 | DC | 4,50 |
| HIST2202 | PRINCIPLES OF KEMAL ATATÜRK II | 0,00 | S | 0,00 |
| OHS301 | OCCUPATIONAL HEALTH AND SAFETY - II | 0,00 | S | 0,00 |
| CumGPA: 3,12 | GPA: 2,30 STAN: SATISFACTORY | 15,00 | | 34,50 |
| 2019-2020 Fall | | | | |
| ECON210 | PRINCIPLES OF ECONOMICS | 3,00 | BB | 9,00 |
| ME301 | THEORY OF MACHINES I | 3,00 | AA | 12,00 |
| ME303 | MANUFACTURING ENGINEERING | 3,00 | CB | 7,50 |
| ME305 | FLUID MECHANICS I | 3,00 | BB | 9,00 |
| ME307 | MACHINE ELEMENTS I | 3,00 | CB | 7,50 |
| ME311 | HEAT TRANSFER | 3,00 | CB | 7,50 |
| ME300 | SUMMER PRACTICE I | 0,00 | S | 0,00 |
| TURK303 | TURKISH I | 0,00 | S | 0,00 |
| CumGPA: 3,08 | GPA: 2,92 STAN: SATISFACTORY | 18,00 | | 52,50 |



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STUDENT ID 2307429
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DEPARTMENT/PROGRAM Mechanical Engineering

DATE OF ENTRY August 11, 2017
DEGREES AWARDED B.S.
DATE OF GRADUATION July 26, 2021

| <u>COURSE CODE</u> | <u>COURSE NAME</u> | <u>CREDITS</u> | <u>GRADE</u> | <u>POINTS</u> |
|---|--|----------------------|---------------|---------------|
| 2019-2020 Spring / COVID-19 Pandemic | | | | |
| ME302 | THEORY OF MACHINES II | - | PASS | - |
| ME304 | CONTROL SYSTEMS | - | PASS | - |
| ME306 | FLUID MECHANICS II | - | PASS | - |
| ME308 | MACHINE ELEMENTS II | - | PASS | - |
| ME310 | NUMERICAL METHODS | - | PASS | - |
| ME312 | THERMAL ENGINEERING | - | PASS | - |
| CumGPA: | GPA: | STAN: | | |
| - | - | - | | - |
| 2020-2021 Fall | | | | |
| FDE100 | FOOD MYTHS FACTS | 3,00 | AA | 12,00 |
| ME407 | MECHANICAL ENGINEERING DESIGN | 3,00 | BA | 10,50 |
| ME429 | MECHANICAL VIBRATIONS | 3,00 | BA | 10,50 |
| ME431 | KINEMATIC SYNTHESIS OF MECHANISMS | 3,00 | AA | 12,00 |
| ME442 | DESIGN OF CONTROL SYSTEMS | 3,00 | AA | 12,00 |
| PSY150 | UNDERSTANDING SOCIAL BEHAVIOR | 3,00 | BA | 10,50 |
| THEA281 | FILM ANALYSIS | 3,00 | BA | 10,50 |
| ME400 | SUMMER PRACTICE II | 0,00 | S | 0,00 |
| CumGPA: | GPA: | STAN: | | |
| 3,20 | 3,71 | HIGH HONOR | | |
| | | | 21,00 | 78,00 |
| 2020-2021 Spring | | | | |
| ME410 | MECHANICAL ENGINEERING SYSTEMS LAB. | 3,00 | AA | 12,00 |
| ME418 | DYNAMICS OF MACHINERY | 3,00 | BB | 9,00 |
| ME443 | ENG. ECONOMY PRODUCTION MANAGEMENT | 3,00 | AA | 12,00 |
| ME496 | SPECIAL TOPICS: DESIGN OF RENEWABLE ENERGY SYSTEMS | 3,00 | CB | 7,50 |
| TURK304 | TURKISH II | 0,00 | S | 0,00 |
| CumGPA: | GPA: | STAN: | | |
| 3,22 | 3,38 | HONOR | | |
| | | | 12,00 | 40,50 |
| CumGPA: | | GRAND TOTALS: | 123,00 | 395,50 |
| 3,22 | | | | |

The student was exempt from attending to Basic English Department.

The abovementioned student's ranking was 37 out of 246 Second year students in the Department of Mechanical Engineering at the end of the 2018-2019 Fall Semester.

The abovementioned student's class ranking was 50 out of 399 among fourth (4th) year students in the Department of Mechanical Engineering in the fall semester of the 2020-2021 academic year.

The abovementioned student's class ranking was 43 out of 397 among fourth (4th) year students in the Department of Mechanical Engineering in the spring semester of the 2020-2021 academic year.

Grade point average of graduation is 82.20 over hundred.

End of Transcript
No printed lines below this line.

A transcript issued by Middle East Technical University bears the seal of the University and is signed by the authorized administrator. If requested, an official transcript which is enclosed in an envelope is provided to the student or delivered to the desired address.

The medium of instruction at Middle East Technical University is English.

One academic year consists of two 16-week semesters, including the period for final exams. Summer semesters may be offered within the scope of an academic year.

The credit value of a course consists of all of the weekly theoretical course hours plus half of the weekly laboratory, practical, studio, practical application and other similar course hours.

Courses coded 100-499 indicate undergraduate courses, courses coded 500-999 indicate graduate courses.

| The Grading System | Letter Grade | Grade Point | Percentage Grade |
|--------------------|--------------|-------------|------------------|
| | AA | 4.00 | 90-100 |
| | BA | 3.50 | 85-89 |
| | BB | 3.00 | 80-84 |
| | CB | 2.50 | 75-79 |
| | CC | 2.00 | 70-74 |
| | DC | 1.50 | 65-69 |
| | DD | 1.00 | 60-64 |
| | FD | 0.50 | 50-59 |
| | FF | 0.00 | 0-49 |

Symbols

| | |
|---------------------|---|
| I => Incomplete | W => Withdrawn |
| P => Progressing | NA => Exceeded the absenteeism limit |
| S => Satisfactory | NI => Not included in the GPA and Cum.GPA |
| U => Unsatisfactory | GPA => Grade Point Average for the Semester |
| EX=> Exempted | CGPA => Cumulative Grade Point Average |

Courses marked (*) are courses that have been repeated and therefore deducted from the CGPA.

Courses marked with the letter (R) are courses whose grades for the semester have been finalized following a resit exam given to students fulfilling the requirements specified in the concerned regulation after the final grades for the semester have been announced.

Credit hours with (+) indicate courses counted from another program and are included in computation of CGPA.

Credit hours with (-) indicate courses not included in the program and are not included in computation of CGPA.

Information on Standing (For Undergraduate Programs)

| | |
|----------------|---|
| HIGH HONOR | : GPA \geq 3.50 and CGPA \geq 2.00 |
| HONOR | : $3.00 \leq$ GPA \leq 3.49 and CGPA \geq 2.00 |
| SATISFACTORY | : $2.00 \leq$ GPA \leq 2.99 and CGPA \geq 2.00 |
| SUFFICIENT | : CGPA \geq 2.00, however having FF, FD, NA, U grades |
| UNSATISFACTORY | : CGPA and/or GPA $<$ 2.00 |
| PROBATION | : CGPA and Prev. CGPA $<$ 2.00 |

Information on Standing (For Graduate Programs)

| | |
|----------------|--|
| SATISFACTORY | : CGPA \geq 3.00 (within the maximum period of education) |
| UNSATISFACTORY | : CGPA $<$ 3.00 (within the maximum period of education) |
| PROBATION | : Has obtained two consecutive or three intermittent letter grades of "U" for thesis work; has failed twice in the DoctoralQualifying Exam; has failed to graduate at the end of maximum education period. |

Associate Degree Programs: The standard duration of study in such programs is 2 years (4 semesters) and the maximum duration is 4 years (8 semesters). In order to qualify for graduation, the minimum grade required in a course is DD/S and the minimum CGPA is 2.00/4.00.

Undergraduate Programs: The standard duration of study in such programs is 4 years (8 semesters) and the maximum duration is 7 years (14 semesters). In order to qualify for graduation, the minimum grade required in a course is DD/S and the minimum CGPA is 2.00/4.00.

Non-thesis Graduate Programs Integrated with an Undergraduate Program: The standard duration of study in such programs is 5 years (10 semesters) and the maximum duration is 9 years (18 semesters). In order to qualify for graduation, the minimum grade required in a course is DD/S and the minimum CGPA is 2.00/4.00.

Compensatory Programs for Graduate Studies: The maximum duration of study in such programs is 1 year (2 semesters). For satisfactory completion of an undergraduate course, the minimum grade required is CC/S and that of a graduate course is CB/S and the minimum CGPA is 2.50/4.00.

Master's Programs with a Thesis: The standard duration of study in such programs is 2 years (4 semesters) and the maximum duration is 3 years (6 semesters). In order to qualify for graduation; the student must have taken at least 7 courses (21 credits) and completed the dissertation work, the minimum grade required in a course is CC/S and the minimum CGPA is 3.00/4.00.

Master's Programs without a Thesis: The standard duration of study in such programs is 2 semesters and the maximum duration is 3 semesters. In order to qualify for graduation; the student must have taken at least 10 courses (30 credits), the minimum grade required in a course is CC/S and the minimum CGPA is 3.00/4.00.

Doctoral Programs: The standard duration of study in such programs is 4 years (8 semesters) and the maximum duration is 6 years (12 semesters). In order to qualify for graduation, the student must have taken at least 7 courses (21 credits), passed the doctoral qualifying exam, defended her/his dissertation proposal and completed the doctoral dissertation. The minimum grade required in a course is CB/S and the minimum CGPA is 3.00/4.00.

Post Bachelors's Doctoral Programs: The standard duration of study in such programs is 5 years (10 semesters) and the maximum duration is 7 years (14 semesters). In order to qualify for graduation, the student must have taken at least 14 courses (42 credits), given a seminar, passed the doctoral qualifying exam, defended her/his dissertation proposal and completed the post-doctoral dissertation. The minimum grade required in a course is CB/S and the minimum CGPA is 3.00/4.00.

After the maximum duration of study has been exceeded, conditions for remaining in a program and the validity of the courses taken are determined by related regulations.

Detailed information about Regulations can be found at <http://oidb.metu.edu.tr>.


Gülten Dönmez baba
Director