CHAIRMAN'S STATEMENT

Dear students,

I welcome you to the Computer Engineering Department of Eastern Mediterranean University. You have surely made the right decision to join our department. As an undergraduate student, you will receive top quality education that is up-to-date from experienced and motivated faculty members, follow a curriculum that is constantly updated to be in line ACM and IEEE curricula. Furthermore, our undergraduate Software and Computer Engineering programs are ABET accredited, which is assurance for you that when you graduate from these programs you will have excellent job prospects worldwide.

As a department, and as a university, we value international cooperation greatly: we have agreements with ESTIA (France) and University of North Texas (USA), allowing our students to take relevant courses in these universities. Details are available on our web site.

We also value the well-being and success of our students. As of the Spring 2022-2023 semester, we started a tutoring program in the department whereby students with high CGPAs in upper classes can become student assistants and tutor other students on topics where they may need assistance. We are continuing this program in the current academic year as well. If you want to serve as a tutor or if you need the help of a tutor for some course, please apply to the departmental administration.

Finally, let me share my thoughts on your education at EMU with you. I urge you to take advantage of everything our department has to offer you to get the best possible education and be well prepared for a hi-tech job in a very competitive job market. Study hard and learn well. In addition, help your fellow students if they need it, find time to socialize with your friends, make good use of our university's extensive sports facilities, enjoy the sea, the sun, the sand and the mild weather on our beautiful island, visit our numerous historic sites, participate in extra-curricular activities by joining student clubs that exist in big numbers in our university, in short have the full student experience at EMU that you will remember for the rest of your life as amazingly good memories. All the while knowing that we are here to help you in all ways possible to achieve your goals.

My best wishes to you all.

Prof. Dr. Zeki Bayram

Chairman

GENERAL INFORMATION

Administration

Chair:
Prof. Dr. Zeki Bayram

Vice Chair:
Asst. Prof. Dr. Ahmet Ünveren

Department's Mission

The Department of Computer Engineering of Eastern Mediterranean University was established in 1993 and first group of students graduated in 1997. The mission of the department is to train its students to be multilingual, have good communication skills, ready for teamwork, and qualified to undertake roles in future projects designed for the benefit of society.

Departmental Facilities

EMU Computer Engineering Department Faculty is composed of 10 professors, 2 associate professors, 2 distinguished professors, 2 senior faculty members, 2 assistant professors, 2 instructors and 18 research assistants. In addition, every semester there are varying number of student assistants with high CGPAs who are selected from upper-level classes. These student assistants tutor students needing assistance with their coursework free of charge.

The department believes that in computer engineering education, theoretical and practical parts must be balanced. With this aim in mind, the department has 2 general-use computer laboratories, 3 multimedia laboratories, 2 logic design laboratories, 1 iMac laboratory, 1 circuit and electronics laboratory, and 1 graduate level research and development laboratory.

Programs

The department currently has four bachelors (BS) level programs: Computer Engineering (English medium), Software Engineering (English medium), Computer Engineering (Turkish medium) and Artificial Intelligence Engineering (English medium). The BS students take basic mathematics and physics courses, English courses and introductory computer science and programming courses in their freshman year. In their sophomore and junior years, they take fundamental programming, computer hardware and computer networks courses. In their senior year, BS students take 3 area elective courses and prepare a graduation project which helps them improve their individual research, written and oral communication skills.

The aim of the MS level Computer Engineering graduate program (established in 1997) is to improve synthesis and design abilities of students, improve their research competence, and enrich their independent study skills. The program has thesis and non-thesis options. Starting from Spring 2022, a new MS in Software Engineering program is also active. The Doctoral (PhD) program (established in 1999) aims to produce academicians who can conduct original research in the Computer Engineering field, become qualified faculty members in universities or perform advanced research in research institutes.

Distinguishing Attributes

The department has proven its competence in Computer Engineering education with the ABET (Accreditation Board for Engineering and Technology) accreditation it received in 2009 for the first time. This accreditation was renewed in 2022 and is valid until 2028. The Software Engineering program received its first accreditation by ABET in 2016 and has been re-accredited in 2022, valid until 2028 as well. Currently it is the only accredited Software Engineering program in Turkey and TRNC.

The Eastern Mediterranean University is ranked within the 501-600 band in Times Higher Education list of best universities in the world for the year 2023. It shares the second ranking with Turkish universities in mainland Turkey and having the highest ranking in North Cyprus.

In many courses, much of the weight is given to term projects, assignments and practical application of knowledge and skills, which helps the students improve their written and oral communication and individual research skills. This approach certainly creates an advantage for our graduates in finding better jobs after graduation.

Major Accomplishments

The Computer Engineering Department, along with its educational responsibilities, is contributing to the economic development of the TRNC with different research projects. Faculty members took part in a number of European Union projects. The Computer Engineering Department was also involved in the initiation and development of online distance education projects of EMU.

Our students have obtained successful results in many project and programming competitions. One significant example to this is the third place obtained by our programming team among Turkish universities' teams in the 2013 IEEE Extreme programming contest.

The department has graduated more than 2200 BS and more than 320 MS students. Some of these graduates are working in international companies in various countries. Most of our 59 PhD graduates are currently academic staff members at universities in various countries.

Quality of Graduates

Our department aims at an education conforming to global standards and is interested in the career conditions of our graduates. In this regard, it continually upgrades the senior year area electives and improves its programs to meet the current needs of the computer industry. In our English program, more than half of the freshman are foreign students. Some of our graduates are currently enrolled in graduate programs in USA and Europe.

Career Opportunities

Students successfully completing the graduation requirements are granted the BS degree in Computer Engineering, Software Engineering or Artificial Intelligence Engineering. Graduates can find jobs as system administrators, application developers, software engineers, database administrators, software designers and can take part in computer aided industrial applications, or as engineers in research and development projects. Also, a significant number of our graduates are pursuing graduate level degrees and becoming academic staff members in different universities.

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2023 – 2024 ACADEMIC CALENDAR

FALL TERM			
September	01	2023	2022 - 2023 Summer Term, Last Day of Classes
September	04 - 07	2023	2022 - 2023 Summer Term Final Examinations **(for FACE to FACE COURSES ONLY)**
September	11 - 14	2023	2022 - 2023 Summer Term Final Examinations **(for ONLINE COURSES ONLY)**
September	15	2023	Last Day For The Submission Of 2022 - 2023 Summer Term Grades To The Registrar
September	11 - 29	2023	Orientation Days For New Students
September	18	2023	Last Day For The Submission of 2022 - 2023 Spring and Summer Term 'Incomplete' Grades and Graduation Make up Grades To The Registrar
September	18	2023	English Proficiency Test 1st Stage *
September	19	2023	Last Day For The Submission of 2022 - 2023 Summer Term Graduation Decisions and Graduation Decisions of Students who will Graduate as a Result of 2022 - 2023 Spring or Summer Term Incomplete Grades or Graduation Make up examination Result To The Registrar
September	19	2023	English Proficiency Test 2nd Stage
September	19	2023	Last Day For Online Course Registration
September	20	2023	Graduation of students graduating at the end of 2022 - 2023 Summer Term and Graduation of Students Who Complete Their Graduation Procedures Late
September	20 - 22	2023	Course Registration Period (Course Registrations Accompanied by Advisor and Approval of Registration)
September	21	2023	Announcement of English Proficiency Test 2nd Stage Results
September	25	2023	2023 - 2024 Fall Term Classes Commence First Day Of Late Registration
September	27	2023	Religious Day (Mawlid Sep. 2607 night)
October	02	2023	Last Day For Late Registration
October	03	2023	Academic Year Opening Ceremony ***
October	06	2023	Last Day For The Submission of 2022 - 2023 Spring and Summer Term Letter Grade Changes To The Registrar
October	09	2023	Last Day For Add/Drop
October	29	2023	TR Republic Day (National Holiday)
November	10	2023	Commemoration of Atatürk
November	11 - 25	2023	Mid-Term Examinations Period
November	15	2023	TRNC Republic Day (National Holiday)
November	27	2023	System Will Be Accessible For Entering Courses To Be Offered In Spring Term 2023-2024
December	11	2023	Last Day for submission of University Elective Courses to be Offered in the Spring Term of 2023 - 2024 by the Elective Courses Commission to the Rectorate
December	15	2023	Last Day For Course Withdrawal
December	15	2023	Last Day For Entering Courses To Be Offered In Spring Term 2023 - 2024 to the system
December	22	2023	Last Day For Applying To Get Leave Of Absence
December	25	2023	Christmas Day **
December	29	2023	Last Day of Classes
January	01	2024	New Year's Day
January	03 - 18	2024	Final Examinations
January	23	2024	Last Day For The Submission Of Grades To The Registrar
January	24	2024	Online Course Registration For Spring Term 2023 - 2024 Commences
January	24 - 26	2024	Online Application Period For Re-sit Examinations
January	25	2024	Last Day For Submission Of The Graduation Decisions To The Registrar
January	30	2024	Fall Term Graduate Graduation Ceremony
January	31	2024	Fall Term Associate / Undergraduate Graduation Ceremony
* Those who are successful in the 1st Stage Exam, must take the 2nd Stage Exam.			
** Attendance will not be taken in classes and no quizzes or any other exams will be administered			

			*** The date may change depending on the program of the invited speaker.
SPRING TERM			
February	01 - 07	2024	Fall Term Re-sit Examinations
February	01 - 12	2024	Orientation Days For New Students
February	06	2024	Last Day For The Submission of Fall Term 'Incomplete' Grades To The Registrar
February	08	2024	English Proficiency Test 1st Stage *
February	09	2024	English Proficiency Test 2nd Stage
February	09	2024	Last Day For The Submission of Fall Term Re-sit Examination Grades To The Registrar
February	09	2024	Start of Online Application for Fall Semester Graduation Make-up Exam
February	11	2024	Last Day For Online Course Registration
February	12 - 14	2024	Course Registration Period (Course Registrations Accompanied by Advisor and Approval of Registration)
February	13	2024	Announcement of English Proficiency Test 2nd Stage Results
February	15	2024	2023 - 2024 Spring Term Classes Commence First Day Of Late Registration
February	22	2024	Last Day For Late Registration
February	28	2024	Last Day For The Submission of Fall Term Letter Grade Changes and Graduation Make-Up Grades To The Registrar
February	29	2024	Last Day For Add/Drop
March	05	2024	Last Day For Submission Of Graduation Decisions of the Students Who Will Graduate as a Result of; Fall Term Graduation Make-Up, Re-sit Examinations or Incomplete Grades To The Registrar
March	08	2024	Graduation for Fall Term Re-sit Exams Graduates or Graduation of Students Who Complete Their Graduation Procedures Late
March/April	25 - 06	2024	Mid-Term Examinations Period
April	09	2024	Ramadan Bairam Eve
April	10 - 12	2024	Ramadan Bairam
April	23	2024	National Sovereignty & Children's Day
April	25	2024	System Will Be Accessible For Entering Courses To Be Offered In Summer Term 2023 - 2024
May	01	2024	Workers' and Spring Day
May	03	2024	Last Day for submission of University Elective Courses to be Offered in the Summer Term of 2023 - 2024 by the Elective Courses Commission to the Rectorate
May	15 - 18	2024	Spring Festival
May	17	2024	Last Day For Entering Courses To Be Offered In Summer Term 2023 - 2024 to the system
May	19	2024	Atatürk Commemoration, Youth and Sports Day
May	20	2024	Last Day For Course Withdrawal
May	24	2024	Last Day For Applying To Get Leave Of Absence
May	30	2024	Last Day of Classes
May	31	2024	System Will Be Accessible For Entering Courses To Be Offered In Fall Term 2024 - 2025
June	03 - 14	2024	Final Examinations
June	10	2024	Last Day for submission of University Elective Courses to be Offered in the Fall Term of 2024 - 2025 by the Elective Courses Commission to the Rectorate
June	15	2024	Kurban Bairam Eve
June	16 - 19	2024	Kurban Bairam
June	24	2024	Last Day For The Submission Of Grades To The Registrar
June	25	2024	Online Course Registration For Summer Term 2023 - 2024 Commences
June	25 - 27	2024	Online Application Period For Resit Examinations
June	26	2024	Last Day For Submission Of The Graduation Decisions To The Registrar
July	02	2024	Spring Term Graduate Graduation Ceremony
July	03	2024	Spring Term Associate / Undergraduate Graduation Ceremony
* Those who are successful in the 1st Stage Exam, must take the 2nd Stage Exam.			

SUMMER TERM			
July	04 - 10	2024	Spring Term Resit Examinations
July	12	2024	Last Day For The Submission of Spring Term Resit Examination Grades To The Registrar
July	12	2024	Start of Online Application for Spring Semester Graduation Make-up Exam
July	15	2024	Last Day For Submission Of Graduation Decisions of the Students Who Will Graduate as a Result of Spring Term Resit Examinations To The Registrar
July	17	2024	Last Day for Summer Term Online Course Registration
July	18 - 19	2024	Summer Term Course Registration Period (Course Registrations Accompanied by Advisor and Approval of Registration)
July	19	2024	Graduation for Spring Term Resit Exams Graduates or Graduation of Students Who Complete Their Graduation Procedures Late
July	19	2024	Last Day For Entering Courses To Be Offered In Fall Term 2024 - 2025 to the system
July	20	2024	Peace and Freedom Day
July	22	2024	Summer Term Classes Commence First Day Of Late Registration
July	29	2024	Summer Term Last Day For Late Registration
August	01	2024	National Holiday
August	04	2024	Online Course Registration For Fall Term 2024 - 2025 Commences
August	05	2024	Summer Term Last Day For Add/Drop
August	16	2024	Summer Term Last Day For Course Withdrawal
August	29	2024	Summer Term Last Day of Classes
August	30	2024	Victory Day
September	02 - 04	2024	Summer Term Final Examinations
September	06	2024	Last Day For The Submission Of Summer Term Grades To The Registrar
September	07	2024	Start of Online Application for Summer Term Graduation Make-up Exam
September	09	2024	Last Day For Submission of The Summer Term Graduation Decisions To The Registrar
September	11	2024	Graduation of students graduating at the end of the Summer Term

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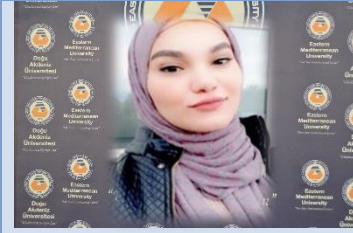
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UNDERGRADUATE PROGRAM CURRICULA

UNDERGRADUATE CURRICULUM FOR COMPUTER ENGINEERING

First Year: Fall Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	25711	CMPE 107	Foundations of Computer Engineering	-	4	1	4	10
2	25712	MATH 163	Discrete Mathematics	-	3	1	3	5
3	25713	ENGL 191	Communication in English I	-	3	1	3	4
4	25714	MATH 151	Calculus I	-	4	1	4	6
5	25715	PHYS 101	Physics I	-	4	1	4	6
S.Tot =5					Sem. Total		18	31
					Sub- Total		18	31

First Year: Spring Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
	25721	CMPE 100	Introduction to Computer Engineering	-	-	2	0	1
1	25722	CMPE 112	Programming Fundamentals	CMPE 107	4	1	4	10
2	25723	ENGL 192	Communication in English II	ENGL 191	3	1	3	4
3	25724	MATH 152	Calculus II	MATH 151	4	1	4	6
4	25725	PHYS 102	Physics II	-	4	1	4	6
5	25726	TUSL 181	Turkish as a Second Language (other Students)	-	2	-	2	2
		HIST 280	History of Turkish Reforms (TC/TRNC)					
S.Tot =5					Sem. Total		17	29
					Sub-Total		35	60

Second Year: Fall Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	25731	CMPE 223	Digital Logic Design	MATH 163	4	1	4	7
2	25732	CMPE 231	Data Structures	CMPE 112	4	1	4	7
3	25733	CMPE 211	Object-Oriented Programming	CMPE 112	4	1	4	6
4	25734	ENGL 201	Communication Skills	ENGL 192	3	1	3	4
5	25735	MATH 241	Linear Algebra and Ordinary Diff. Equations	MATH 151	4	1	4	6
S.Tot =5					Sem. Total		19	30
					Sub-Total		54	90

Second Year: Spring Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	25741	CMPE 224	Digital Logic Systems	CMPE 223	4	1	4	7
2	25742	CMPE 226	Electronics for Computer Engineers	MATH 241	4	1	4	7
3	25743	CMPE 242	Operating Systems	CMPE 112	4	1	4	7
4	25744	MATH 373	Numerical Analysis for Engineers	MATH 241	3	1	3	5
5	25745	UE - 01	Uni. Elective I (Restricted: CHEM 101, BIOL 105, SCIE 130, etc.)	-	3/4	-	3/4	4
S.Tot =5					Sem. Total		18/19	30
					Sub-Total		72/73	120

UNDERGRADUATE CURRICULUM FOR COMPUTER ENGINEERING (CONTINUED)

			Third Year: Fall Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	25751	CMPE 325	Computer Architecture and Organization	CMPE 224	4	1	4	7
2	25752	CMPE 353	Database Management Systems	CMPE 231	4	1	4	6
3	25753	CMPE 371	Analysis of Algorithms	CMPE 231	4	1	4	6
4	25754	CMPE 321	Signals and Systems for Computer Engineers	CMPE 226	4	1	4	6
5	25755	MATH 322	Probability and Statistical Methods	MATH 151	3	1	3	5
S.Tot =5					Sem. Total		19	30
					Sub-Total		91/92	150

			Third Year: Spring Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	25761	CMPE 320	High End Embedded Systems	CMPE 224	4	1	4	6
2	25762	CMPE 344	Computer Networks	CMPE 242 + MATH 322	4	1	4	6
3	25763	CMPE 342	Client/Server Programming	CMPE 231	4	1	4	7
4	25764	CMPE 312	Software Engineering	CMPE 211	4	1	4	7
5	25765	UE- 02	Uni. Elective II- Arts & Humanities	-	3	-	3	4
S.Tot =5					Sem. Total		19	30
					Sub-Total		110/111	180

			Fourth Year: Fall Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	25771	CMPE 400	Summer Practice	-	-	-	0	1
2	25772	CMPE 455	Security of Computer Systems & Networks	CMPE 344	4	1	4	6
3	25773	AE 01	Area Elective I	-	3/4	1	3/4	6
4	25774	AE 02	Area Elective II	-	3/4	1	3/4	6
5	25775	CMPE 471	Automata Theory	MATH 163	4	1	4	6
6	25776	CMPE 405	Graduation Project I	-	1	-	1	2
7	25777	IENG 355	Ethics in Engineering	-	3	-	3	4
S.Tot =7					Sem. Total		17/20	31
					Sub-Total		127/131	211

			Fourth Year: Spring Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	25781	CMPE 410	Principles of Programming Languages	CMPE 211	4	1	4	7
2	25782	AE 03	Area Elective III	-	3/4	1	3/4	6
3	25783	UE-03	Uni. Elective III- Arts & Humanities	-	3	-	3	4
4	25784	UE-04	Uni. Elective IV (Restricted: ECON/MGMT/FIN/BANK/ACCT Fields)	-	3	-	3	4
5	25785	CMPE 406	Graduation Project II	CMPE 405	3	1	3	8
S.Tot =5					Sem. Total		16/17	29
C.tot=40					Sub-Total		143/148	240

UNDERGRADUATE CURRICULUM FOR SOFTWARE ENGINEERING

First Year: Fall Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	29711	CMSE 107	Foundations of Computer Engineering	-	4	1	4	10
2	29712	MATH 163	Discrete Mathematics	-	3	1	3	5
3	29713	ENGL 191	Communication in English I	-	3	1	3	4
4	29714	MATH 151	Calculus I	-	4	1	4	6
5	29715	PHYS 101	Physics I	-	4	1	4	6
S.Tot =5					Sem. Cr. Total :		18	31
					Cr. Sub-Total :		18	30

First Year: Spring Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
-	29721	CMSE 100	Introduction to Software Engineering	-	-	2	-	1
1	29722	CMSE 112	Programming Fundamentals	CMSE 107	4	1	4	10
2	29723	ENGL 192	Communication in English II	ENGL 191	3	1	3	4
3	29724	MATH 152	Calculus II	MATH 151	4	1	4	6
4	29725	PHYS 102	Physics II	-	4	1	4	6
5	29726	TUSL 181	Turkish as a second Language (other Students)	-	2	-	2	2
		HIST 280	History of Turkish Reforms (TC/TRNC)					
S.Tot =5					Sem. Cr. Total :		17	29
					Cr. Sub-Total :		35	60

Second Year: Fall Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	29731	CMSE 201	Fundamentals of Software Engineering	CMSE 107	4	1	4	8
2	29732	CMSE 211	Object-Oriented Programming	CMSE 112	4	1	4	7
3	29733	CMSE 231	Data Structures	CMSE 112	4	1	4	7
4	29734	MATH 241	Linear Algebra and Ordinary Diff. Equations	MATH 151	4	1	4	6
5	29735	UE-01	Uni. Elective I (Restricted: CHEM 101, BIOL 105, SCIE 130, etc.)	-	3/4	-	3/4	4
S.Tot =5					Sem. Cr. Total :		19/20	32
					Cr. Sub-Total :		54/55	92

Second Year: Spring Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	29741	CMSE 222	Introduction to Computer Organization	MATH 163	4	1	4	8
2	29742	CMPE 242	Operating Systems	CMSE 112	4	1	4	7
3	29743	MATH 373	Numerical Analysis for Engineers	MATH 241	3	1	3	5
4	29744	ENGL 201	Communication Skills	ENGL 192	3	1	3	4
5	29745	UE-02	Uni. Elective II- Arts &Humanities	-	3	-	3	4
S.Tot =5					Sem. Cr. Total :		17	28
					Cr. Sub-Total :		70/71	119

UNDERGRADUATE CURRICULUM FOR SOFTWARE ENGINEERING (CONTINUED)

			Third Year: Fall Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	29751	CMSE 321	Software Req. Analysis & Specification	CMSE 201	4	1	4	7
2	29752	CMSE 353	Security of Software Systems	CMSE 201	4	1	4	7
3	29753	CMSE 371	Analysis of Algorithm	CMSE 231	4	1	4	6
4	29754	UE- 03	Uni. Elective III- Arts &Humanities	-	3	-	3	4
5	29755	MATH 322	Probability and Statistical Methods	MATH 151	3	1	3	5
S.Tot =5					Sem. Cr. Total :		18	29
					Cr. Sub-Total :		88/89	148

			Third Year: Spring Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	29761	CMSE 322	Software Design	CMSE 321	4	1	4	6
2	29762	CMSE 318	Principles of Programming Languages	CMSE 211	4	1	4	7
3	29763	CMSE 346	Computer Networks & Communication	CMPE 242 + MATH 322	4	1	4	6
4	29764	CMSE 354	Database Management Systems	CMSE 231	4	1	4	6
5	29765	CMSE 326	Software Quality Assurance & Testing	CMSE 201	4	1	4	6
S.Tot =5					Sem. Cr. Total :		20	31
					Cr. Sub-Total :		108/109	180

			Fourth Year: Fall Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	29771	CMSE 400	Summer Practice	-	-	-	0	1
2	29772	CMSE 405	Graduation Project I	-	1	-	1	1
3	29773	CMSE 471	Automata Theory	MATH 163	4	1	4	6
4	29774	CMSE 473	Software Process & Management	CMSE 321 + MATH 322	4	1	4	6
5	29775	CMSE 423	Embedded System Design	CMSE 222	4	1	4	6
6	29776	AE 01	Area Elective I	-	3/4	-	3/4	6
7	29777	AE 02	Area Elective II	-	3/4	-	3/4	6
S.Tot =7					Sem. Cr. Total :		19/21	32
					Cr. Sub-Total :		127/130	212

			Fourth Year: Spring Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	29781	AE 03	Area Elective III	-	3/4	-	3/4	6
2	29782	AE 04	Area Elective IV	-	3/4	-	3/4	6
3	29783	CMSE 406	Graduation Project II	CMSE 405	3	1	3	8
4	29784	UE- 04	Uni. Elective IV (Restricted: ECON/MGMT/FIN/BANK/ACCT Fields)	-	3	-	3	4
5	29785	IENG 355	Ethics in Engineering	-	3	-	3	4
S.Tot =5					Sem. Cr. Total :		15/17	28
C.Tot=40					Cr. Sub-Total :		142/147	240

UNDERGRADUATE CURRICULUM FOR ARTIFICIAL INTELLIGENCE ENGINEERING

			First Year: Fall Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	2L711	AING 107	Foundations of Computer Engineering	-	4	1	4	8
2	2L712	MATH 163	Discrete Mathematics	-	3	1	3	5
3	2L713	ENGL 191	Communication in English - I	-	3	1	3	4
4	2L714	MATH 151	Calculus I	-	4	1	4	7
5	2L715	PHYS 101	Physics I	-	4	1	4	7
S.Tot =5					Sem. Total		18	31
					Sub-Total		18	31
			First Year: Spring Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	2L721	AING 100	Introduction to Artificial Intelligence	-	-	2	0	1
2	2L722	AING 112	Programming Fundamentals	AING 107	4	1	4	8
3	2L723	ENGL 192	Communication in English - II	ENGL 191	3	1	3	4
4	2L724	MATH 152	Calculus II	MATH 151	4	1	4	7
5	2L725	PHYS 102	Physics II	-	4	1	4	7
6	2L726	TUSL 181	Turkish as a Second Language (other Students)	-	2	-	2	2
		HIST 280	History of Turkish Reforms (TC/TRNC)					
S.Tot =6					Sem. Total		17	29
					Sub-Total		35	60
			Second Year: Fall Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	2L731	AING 201	Fundamentals of Artificial Intelligence	AING 107	4	1	4	6
2	2L732	AING 231	Data Structures	AING 112	4	1	4	7
3	2L733	AING 211	Object-Oriented Programming	AING 112	4	1	4	7
4	2L734	MATH 215	Probability for Machine Learning	MATH 151	3	1	3	5
5	2L735	MATH 241	Linear Algebra and Ordinary Diff. Equations	MATH 151	4	1	4	6
S.Tot =5					Sem. Total		19	31
					Sub-Total		54	91
			Second Year: Spring Semester					
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	2L741	AING 222	Introduction to Computer Organization	MATH 163	4	1	4	8
2	2L742	MATH 214	Statistics for Engineers	-	3	1	3	6
3	2L743	ENGL 201	Communication Skills	ENGL 192	3	1	3	4
4	2L744	AING 214	Programming Languages for Artificial Intelligence	AING 211	4	1	4	7
5	2L745	UE - 01	Uni. Elective - I (Basic Science)	-	3/4	-	3/4	4
S.Tot =5					Sem. Total		17/18	29
					Sub-Total		71/72	120

UNDERGRADUATE CURRICULUM FOR ARTIFICIAL INTELLIGENCE ENGINEERING
(CONTINUED)

# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
Third Year: Fall Semester								
1	2L751	AING 353	Database Management Systems	AING 231	4	1	4	6
2	2L752	AING 371	Analysis of Algorithms	AING 231	4	1	4	6
3	2L753	AING 428	Elements of Data Science	AING 201	4	1	4	6
4	2L754	AING 375	Basic Search Strategies	AING 201	4	1	4	7
5	2L755	UE - 02	Uni. Elective - II (Arts & Humanities)	-	3	-	3	4
S.Tot =5				Sem. Total			19	29
				Sub-Total			90/91	149
Third Year: Spring Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	2L761	AING 342	Client/Server Programming	AING 231	4	1	4	7
2	2L762	AING 352	Feedforward and Deep Neural Networks	MATH 241	4	1	4	7
3	2L763	AING 354	Knowledge Representation and Reasoning	AING 211	4	1	4	6
4	2L764	AING 356	Machine Learning	AING 214	4	1	4	7
5	2L765	UE - 03	Uni. Elective - III (Arts & Humanities)	-	3	-	3	4
S.Tot =5				Sem. Total			19	31
				Sub-Total			109/110	180
Fourth Year: Fall Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	2L771	AING 400	Summer Practice	-	-	-	0	1
2	2L772	AING 405	Graduation Project - I	-	1	-	1	1
3	2L773	AING 471	Automata Theory	MATH 163	4	1	4	6
4	2L774	AING 312	Software Engineering	AING 211	4	1	4	7
5	2L775	AE - 01	Area Elective - I	-	3/4	1	3/4	6
6	2L776	AE - 02	Area Elective - II	-	3/4	1	3/4	6
7	2L777	UE - 04	Uni. Elective - IV (Social Sciences) (ECON/MGMT/FIN/ACCT Fields)	-	3	-	3	4
S.Tot =7				Sem. Total			18/20	31
				Sub-Total			127/130	211
Fourth Year: Spring Semester								
# of crs.	R.code	Crs.Code	Course Name	Prerequisite	Lect.	Lab/Tur	Cr.	ECTS
1	2L781	AING 406	Graduation Project II	AING 405	3	1	3	7
2	2L782	AING 423	Embedded System Design	AING 222	4	1	4	6
3	2L783	AE - 03	Area Elective - III	-	3/4	1	3/4	6
4	2L784	AE - 04	Area Elective - IV	-	3/4	1	3/4	6
5	2L785	IENG 355	Ethics in Engineering	-	3	-	3	4
S.Tot =5				Sem. Total			16/18	29
C.tot=40				Sub-Total			143/148	240

ELECTIVE COURSES

A. Non-technical Electives

Non-technical electives approved by the department are announced at the beginning of each semester. Students can choose any of those courses announced as a non-technical elective.

B. Area Electives

Area elective courses offered by the Computer Engineering Department are announced by the Department at the beginning of each semester. A list of area elective courses is given below. The Department may add further courses to this list. In addition to these courses, at the beginning of each semester, the Department will list courses offered by other Engineering Faculty Departments that may be chosen as area electives. Registration to such courses will require Departmental consent.

Course Code	**Course Name**	**Credit**	**Prerequisite**
CMPE/CMSE 413	Compiler Construction	(4, 1) 4	MATH 163
CMPE/CMSE 414	Modern Programming Platforms	(4, 1) 4	CMPE 211
CMPE/CMSE 415	Visual Programming	(4, 1) 4	CMPE 231
CMPE/CMSE 416	Object-Oriented Programming and Graphical User Interfaces	(4, 1) 4	CMPE 211
CMPE/CMSE 417	Advanced Topics in C	(4, 1) 4	CMPE 211
CMPE/CMSE 418	Internet Programming	(4, 1) 4	CMPE 353
CMPE/CMSE 419	Mobile Application Development	(4, 1) 4	CMPE 211
CMPE/CMSE 421	Parallel Computer Architecture	(4, 1) 4	CMPE 325
CMPE/CMSE 422	Microprocessor Systems	(4, 1) 4	CMPE 224
CMPE423	Low End Embedded Systems	(4, 1) 4	CMPE 224
CMPE/CMSE 424	Introduction to Image Processing	(4, 1) 4	MATH 152
CMPE/CMSE 426	Digital Signal Processing	(4, 1) 4	CMPE 321
CMPE/CMSE 427	Hardware Realization of Algorithms	(4, 1) 4	CMPE 224
CMPE/CMSE 428	Data Science	(4, 1) 4	MATH 322
CMPE/CMSE 429	Deep Learning	(4, 1) 4	MATH 241
CMPE/CMSE 443	Real-time System Design	(4, 1) 4	CMPE 242
CMPE/CMSE 444	Data Communications	(4, 1) 4	CMPE 344
CMPE/CMSE 445	Internet Architecture and Protocols	(4, 1) 4	CMPE 344
CMPE/CMSE 446	Networked computing	(4, 1) 4	CMPE 344
CMPE/CMSE 447	Fiber Optic Computer Communication	(4, 1) 4	CMPE 321
CMPE/CMSE 448	Modern Networking Concepts	(4, 1) 4	CMPE 344
CMPE/CMSE 449	Distributed Systems	(4, 1) 4	CMPE 242
CMPE/CMSE 451	Information Security	(4, 1) 4	CMPE 353
CMPE/CMSE 461	Artificial Intelligence	(4, 1) 4	CMPE 211
CMPE/CMSE 462	Functional and Logic Programming	(4, 1) 4	CMPE 211
CMSE 439	Human/Computer Interaction	(4, 1) 4	-
CMSE 491	Selected Topics in Software Engineering	(4, 1) 4	-
CMSE 492	Selected Topics in Software Engineering	(4, 1) 4	-
AING421	Fundamentals of Computer Vision	(4, 1) 4	MATH 152
AING422	Health Informatics	(4, 1) 4	AING 354
AING431	Time Series Data Analysis	(4, 1) 4	AING 201
AING432	Agent-Based Modeling	(4, 1) 4	AING 201
AING435	Expert Systems	(4, 1) 4	AING 201
AING436	Natural Language Processing	(4, 1) 4	AING 201
AING451	Neural Computation	(4, 1) 4	MATH322+ AING352
AING452	Introduction to Information Retrieval	(4, 1) 4	AING 231
AING453	Text mining	(4, 1) 4	AING 201

AING454	Artificial Intelligence Applications for Security	(4, 1) 4	AING 201
AING455	Fundamentals of Data Mining	(4, 1) 4	AING 201
AING456	Big Data Analytics	(4, 1) 4	AING 201
AING487	Semantic Web Technologies and Applications	(4, 1) 4	AING 354
AING491	Special Topics in Artificial Intelligence	(4, 1) 4	AING 201

For course descriptions, please check the Computer Engineering Department's Web site.

LABORATORIES

General Computer Laboratory I

The first general laboratory is equipped with 50 Intel Core i7 16GB RAM computers. The laboratory may be used according to the requirements of students for their courses and projects.

General Computer Laboratory II

The second general laboratory is equipped with 25 computers. The laboratory may be used according to the student's requirements for their courses and projects.

UNIX Laboratories

In Unix Lab1, there are 25 computers that have Dual Core PC's, Windows 7 operating system and a direct connection to a Fedora server. In Unix Lab2, there are 25 computers that have Intel Core i7 16 GB RAM.

Computer Research Laboratory

This laboratory provides general-purpose research facilities under various software platforms for graduate students. This laboratory is used for projects and research studies of 4th year students as well. There are 16 Dual Core PC's in this lab.

Electric and Electronics Laboratory

This laboratory provides facilities for performing experiments on electrical circuits and basic electronics. It includes voltmeters, amperemeters, signal generators, power supplies, oscilloscopes and relevant discrete components.

Logic Design Laboratory

Intended for teaching the fundamentals of combinatorial and sequential logic circuits. Lab equipment includes construction boards with power supplies, clock generators, LED displays, IC's and 40 Intel Core i3 computers.

Multimedia Laboratory

Intended for teaching technical elective courses. There are 40 i5 16GB RAM computers in this lab.

Mac Laboratory

There are 25 iMac (OS X operating system) computers and 10 IPAD located in this lab.

REGISTRATION PROCESS

Academic Advisor

Each student is assigned an Academic Advisor who assists the student with matters related to course selection, registration, and scheduling. The advisor plays a key role in the student's progress through university studies, but it is ultimately the student's responsibility to meet all University requirements, and it is the responsibility of the Office of the Registrar to ascertain and certify that these requirements have been met.

Students must obtain their advisors' approval for registration, selection of core and elective courses, and for adding, dropping, or withdrawing courses.

Registration Procedure

A) Course Registration Procedure

Please, first get access for course registration with your 'ID card' and 'bank receipt' by visiting:
- Registrar's Office
- Accounting Office

Then go to your academic advisor at your department to complete your registration.

Important Notes:
- Course registration is complete when you see your advisor face-to-face and he/she confirms your registration on the computer.
- Students who do not obtain access cannot complete their registration.
- You can learn the tuition fee or any debts that needs to be settled from http://students.emu.edu.tr (https://students.emu.edu.tr)
- Students must register for courses in person. Please do not ask your friend(s) to do it for you. It will not be accepted.
- Students who complete their registration after course registration period, should pay penalty per day even if they did pay their tuition fees earlier.
- In case of problems, please go directly to the Registrar's Office.

B) On-Line Course Registration Procedure

Access to online registration: (https://students.emu.edu.tr)
First pay your tuition and fees, then log on to this web site and choose your courses online. Then, get confirmation from your advisor regarding your course selection.

Your course registration will be completed when your advisor confirms your courses. You will need to see your advisor face to face before the last date that will be announced to get the final approval for your course registration. Students who do not get approval from their advisor until the specified date will have to pay late registration penalty on a per day basis.

Important Notes:
- Students who do not get access cannot register online.
- Access is opened automatically in 24 - 48 hours following the payment to the bank.
- You can learn your tuition fee or any debts at https://students.emu.edu.tr.
- First semester undergraduate students CANNOT register on-line. These students must first visit the registration/accounting offices and then meet the academic staff in the department who are responsible for registration of freshmen.
- Master/PhD students and first semester CANNOT register on-line. These students must fill-out the form in appendix A and then meet the academic staff in the department who are responsible for registration of Master/PhD students.

Late Registration

Students who have not completed formal registration processes during the scheduled period may be permitted to register late with a late registration penalty, if the delay has been involuntary.

Registration Changes

a) Adding Courses

With the approval of their Academic Advisor and the Chairman of the Department, students may request addition of courses to their schedule during the first two weeks of classes in a regular term. Such requests will be granted if:
1) The maximum allowable student course load is not exceeded;
2) Added courses can be scheduled properly.

b) Dropping Courses

With the approval of his/her Academic Advisor and the Chairman of the Department, a student may drop courses from his/her schedule during the first two weeks of classes in a regular term.

c) Withdrawing from a Course

Course withdrawal may take place no later than the deadline announced in the academic calendar, with the approval of the Academic Advisor and the Chairman of the Department. A student who withdraws from a course will receive a "W" grade on his/her transcript. Such courses must be registered again in the following semester.

NOTE: Depending on the different conditions, a course-group may be altered (schedule/instructor) or removed or added to the semester's program. The department tries to minimize these alterations. Please check your portal frequently in the first two weeks to be aware of those changes.

TRANSFERS

Transfer from another Academic Institution

A student who has completed at least one academic semester of an equivalent program at another university may apply for transfer to the Computer Engineering Department. Such an application will be considered provided the applicant:

a) has not been dismissed from that institution, either on academic or any other grounds,
b) has an adequate knowledge of English, and
c) the quota for transfer students has not been exceeded.

A transfer student may be exempted from certain courses. Decisions concerning exemption will be made by the Transfer Committee of the Department, only once, after the application of the student.

Transfer within the University

Transfer from another four-year degree program of EMU to Computer Engineering may be permitted, if the student has successfully completed at least one term of study in a department (English Preparatory School is not counted) and if the quota for transfer students has not been exceeded. Students who have already made one internal transfer before or students who have an academic warning are not eligible for another transfer application.

A two-year diploma program student who graduates with a high cumulative grade-point average may apply for transfer to the first year of the Computer Engineering four-year degree program.

COURSE-LOAD AND ASSESSMENT

The Academic Year

Academic activities take place in an "Academic Year", from the end of September to the end of June, consisting of two periods of at least 16 weeks each, possibly followed by a "Summer Session". The two periods of study are referred to as the "Fall" and "Spring" semesters. There is a two to three weeks of break between the two semesters. Summer sessions are offered in July and August.

The Academic Term

The current academic term of a student is determined by the cumulative credited courses he/she registered to during his/her whole period of studies at EMU. The total course load is distributed over eight academic terms (four academic years).

Courses

Courses consist of two to four hours of instruction and, where appropriate, tutorial and laboratory work, for each week of the Fall or Spring semester or the equivalent total number of hours per week in a Summer session.

The Credit-Hour

Courses offered for academic credit are described in terms of a number that is proportional to the academic involvement they require from the student. This number is called the "Credit-Hour."

For each course, one credit hour is equivalent to one lecture hour per week. Any additional hour that may be required for preparation outside the class, or any additional hour required for laboratory or tutorial work is considered to be equivalent to one-half of a credit-hour.

A course consisting of both lecture and laboratory/tutorial sessions, meeting for 3 lecture hours and 2 laboratory/tutorial hours per week would be assigned 4 credit-hours. It would receive a credit rating of "(3,2) 4," where the first digit indicates the weekly lecture hours, the second digit the weekly laboratory/tutorial hours, and the last, the credit-hours associated with the course.

Prerequisite Courses

Prerequisite course requirements are given in parentheses in each course description, if applicable. They are also shown in the tabular undergraduate curriculum. When course A is a prerequisite to course B, a student cannot register to course B before obtaining at least a D- grade from course A.

Course Load

The semester course load is defined as the number of credited courses for which a student is registered in a semester. The regular course load for Computer Engineering students is 5 credited courses, each course with at least 2 credits. Students can increase their course load by maximum one (1) course. For this purpose, the student must have a cumulative grade point average (CGPA) of at least 2.50 or be a "High Honour" or "Honour Student" as of the end of the previous academic term (except summer semester). Except for High Honour students, students are required to pay additional tuition fees for each extra course they take, in addition to the tuition they are obliged to pay that semester, based on the per-credit fees to be applied for the summer term at the end of the relevant academic year, with the approval of their Academic Advisor and the Chairman of the Department.

A student may reduce his/her load by at most two credited courses. However, these courses must be completed by the following semester, if offered. A student who is in his/her last academic term

(graduation term) is permitted to register for up to 7 courses provided that no other credited courses are left for him/her to graduate. Furthermore, students taking extra courses are required to pay, in addition to the regular tuition, extra fees for each extra course they are taking based on the per-credit fees to be applied for the summer term at the end of the relevant academic year. "High Honour" or "Honour" students in graduation status pay for their other courses, if any, after using their right to take one free course, deemed appropriate by his/her Academic Advisor, and with the approval of the Chairman of the Department. During a Summer Session, students may carry loads from 1 to 2 credited courses.

Course Grades and Grade-Points

Thirteen categories of scholastic achievement, ranging from "superior" to "failure" (A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, NG), are recognized as valid end-of-course grades or letter grades. These grades are indexed on a scale of "0 to 4", termed "Grade-Points". The symbol "NG" (Nil Grade) indicates poor attendance and/or a failure to complete assigned work (including exams).

Letter Grade	Grade-Points
A	4.00
A-	3.70
B+	3.30
B	3.00
B-	2.70
C+	2.30
C	2.00
C-	1.70
D+	1.30
D	1.00
D-	0.70
F	0.00
NG	0.00

Four other symbols are also used in grading, for special circumstances. "W" (withdrawn), indicates withdrawal from a course before the end of a term. In case a student has been authorized to delay completion of course work past the normal end-of-term, the "I" (incomplete) grade may be given until a formal grade is reported. Achievement in a non-credited-hour course is indicated by the symbol "S" (satisfactory) or "U" (unsatisfactory). In the case of repeated course work, the last grade earned is considered to be the official course grade. No grade-point equivalent is assigned for the notations I, W, S, and U.

Credits Earned

A student earns credits based on the level of his/her achievement in a course. The credits earned are the product obtained by multiplication of the "Credit-Hour" and the "Grade-Point" obtained. For example, if a student gets grade A- for a 4-credit course, then the credits earned for that course is 4*3.7=14.8.

Grade-Point Average: GPA

A student's academic achievement for each semester is expressed numerically by a real number referred to as the "Grade Point Average" (GPA). The GPA is obtained by:

1. calculating credits earned for each course,
2. adding these earned credits for all courses in the semester to obtain the total credits, and
3. dividing the total credits by the total credit-hours registered in that semester.

The GPA can range from 0.00 to a maximum number of 4.00. A student's GPA is calculated and reported to two decimal places.

Cumulative Grade Point Average: CGPA

A student's overall academic achievement is expressed by a real number called the "Cumulative Grade Point Average" (CGPA). The CGPA is obtained by:

1. adding the credits earned in each completed semester to find the total credits earned,
2. adding credit-hours registered in all completed semester to find the total credit-hours registered, and
3. dividing the total credits earned by the total credit-hours attempted.

When a course is repeated, the last credit earned is substituted in place of the previous value.

<u>**Example:**</u>

Assume that a student is registered to the following courses and got the following grades.

Semester I:

Course	Grade	Credit
CMPE 101	B-	(3)
MATH 163	D-	(3)
ENGL 191	D	(3)
MATH 151	C	(4)
PHYS 101	F	(4)
	+	17

Credits earned = 3*2.7+3*0.7+3*1+4*2+4*0
          = 21.2

GPA = 21.2 / 17 = 1.25
CGPA = 21.2 / 17 = 1.25

Semester II:

Course	Grade	Credit	
MATH 163	B+	(3)	(repeat)
CMPE 102	B	(3)	
ENGL 192	D	(3)	
MATH 152	C+	(4)	
PHYS 101	D	(4)	(repeat)
		+ 17	

Total of new credits = 10

Credits earned = 3*3.3+3*3+3*1+4*2.3+4*1
          = 35.1

GPA = 35.1 / 17 = 2.06

Total credits registered = 17+10 = 27
(excluding repeated MATH163 and PHYS 101)
Total credits earned = 35.1 + 19.1 = 54.2
(excluding 2.1 in Semester I for the D- of MATH163)

CGPA = Total credits earned / total credits registered
     = 54.2 / 27 = 2.01

ACADEMIC EVALUATION

Evaluation of a Course

A course is said to have been successfully completed if a student, obtains a grade of A, A-, B+, B, B-, C+, C, C-, D+, D or S. A course in which a student receives a grade of D-, F, NG or U is not satisfactorily completed, and the student is required to repeat such a course in the next semester it is offered.

Satisfactory/Probation/Unsatisfactory Status

Satisfactory/On-Probation/Unsatisfactory Status of students is based on the following table:

Actual Academic Term	Satisfactory (S)	Satisfactory Progress (Y)	On Probation (P)	Unsatisfactory (U)	Compulsory Transfer/DISMISS (C)
2	4.00≥CGPA≥2.00	2.00>CGPA≥1.50	1.50>CGPA≥1.00	1.00>CGPA≥0.00	-----
3	4.00≥CGPA≥2.00	2.00>CGPA≥1.50	1.50>CGPA≥1.00	1.00>CGPA≥0.00	-----
4	4.00≥CGPA≥2.00	2.00>CGPA≥1.50	1.50>CGPA≥1.00	1.00>CGPA≥0.00	1.00>CGPA≥0.00
5	4.00≥CGPA≥2.00	2.00>CGPA≥1.80	1.80>CGPA≥1.50	1.50>CGPA≥0.00	1.00>CGPA≥0.00
6	4.00≥CGPA≥2.00	2.00>CGPA≥1.80	1.80>CGPA≥1.50	1.50>CGPA≥0.00	1.00>CGPA≥0.00
7	4.00≥CGPA≥2.00	2.00>CGPA≥1.80	1.80>CGPA≥1.50	1.50>CGPA≥0.00	1.00>CGPA≥0.00
≥8	4.00≥CGPA≥2.00	-----	2.00>CGPA≥1.80	1.80>CGPA≥0.00	1.00>CGPA≥0.00

Meaning of Terms

- **Actual Academic Term** refers to the number of semesters that a student has registered so far (English Preparatory School and summer semesters are not counted).
- **On Probation Status**: Student can register to at most two new courses; priority should be given to courses with F or D- grades that have been taken before.
- **Unsatisfactory Status**: Student cannot register to any new course, must repeat previously taken courses so as to improve his/her CGPA.
- **Compulsory Transfer/DISMISS**: Students who completed a minimum of 4 academic semesters (if the fourth semester is Spring Semester, then at the end of the Summer School) and who have a **CGPA below 1.00** are dismissed from the program. In the case of Compulsory Transfer/DISMISS, the student may transfer to another faculty (with the same tuition fees) or may continue his education in the same program with new student registration fees.
- **Academic Term**: The current academic term of a student is determined by the cumulative credited courses he/she registered to during his/her whole period of studies at EMU. The total course load is distributed over eight academic terms (four academic years). In other words, the semester of a student is determined by the number of courses taken so far.
- **First Academic Warning** Student may register for a maximum of two new courses.
- The students with **Second, Third, ... Academic Warning** cannot register for any new course.
- The students with **Fourth Academic Warning** are dismissed from the program. In this case, the student may transfer to another faculty (with the same tuition fees) or may continue his education in the same program with new student registration fees.
- Students who originally registered before 2007-2008 should note that Academic Warning and dismiss rules are different for them.

Honor and High Honor Students

If the student has taken normal course load, if she/he obtains a GPA between 3.00 and 3.49, he/she is designated an "Honor Student". A student who obtains a GPA between 3.50 and 4.00 is designated a "High Honor Student".

Graduation

A student is entitled to graduate if he/she:

1. Satisfactorily completes all the required course work (40 courses with credits, and other compulsory courses),
2. Completes the 40-day summer training, and
3. Attains a CGPA of at least 2.00.

If at the time of his/her graduation a student has achieved a CGPA of 3.00 or higher, this will be indicated on his/her graduation Diploma/Certificate and official transcript as follows: students with a CGPA in the range 3.00-3.49 "Honors"; students with a CGPA in the range 3.50-4.00 "High Honors".

Graduation is conferred by the University Senate upon the request of Faculties and Schools. The Diplomas/Certificates are prepared by the Office of the Registrar, and describe the name of the program, the date of graduation, and the degree or title obtained.

DOUBLE-MAJOR PROGRAMS: REGISTRATION, ADMISSION AND APPLICATION

Who can apply

In order to be eligible to apply for the double-major program, students

- should already be registered at least for a semester in one of the departments that runs the double-major program and should renew his/her registration during the period of application to the double-major program.

- can apply for the double-major program earliest at the beginning of the third semester of the first major program.
- should obtain minimum grade of 'D' for all credit courses in the first major program up to the period of application.
- should hold a minimum CGPA of 3.00.
- **should apply until the beginning of the 5th semester at the latest.**

A student can apply for more than one double-major program. However, students cannot register for more than one double-major program or a double-major and a double minor program at the same time.

Application process

1. Applications for double-major programs take place until the last day of the academic semester registration period following the announcement of the double-major programs. Applications are processed by the Registrar's Office after the submission of an application form and a transcript.
2. The registrar's office sends all applications to the department of the first major program on the first working day following the registration deadline.
3. The double-major program committee reviews applicants' documents and academic reference letters, if available, and determines whether the candidates will be admitted to double-major programs based on the set quota and whether applicants who have gained admission will be exempted from specific courses. The committee then submits the decision in writing to the department head of the first major program who will ask for relevant departments' and faculties' approval.
4. Students who have gained admission for the double-major program must register for the double-major program during the add-drop period of the relevant academic semester.

ADDITIONAL REGULATIONS

Attendance Requirements

Regular attendance of EMU students is required in all courses. When a student fails to show regular class attendance, an EMU faculty member may report an "NG" for the student. Such action may be taken when the number of unexcused absences exceeds 20% of the total class/laboratory hours scheduled for the course. Specific rules for NG grades are announced by instructors for each course at the beginning of each semester. Students should be aware that course grades can be adversely affected through absence, whether excused or unexcused.

Leave of Absence

A student who has an important excuse for having a break from university studies for a period of time may apply for leave of absence. The total duration of leave of absence for a student cannot exceed a total of four semesters during his/her studies.

Written appeals are made by using the student portal at the beginning of each semester, within five weeks of the commencement of classes. Medical cases are dealt with separately.

Withdrawal from the University

A student who wishes to withdraw from the University must initiate withdrawal procedures with the Office of the Registrar. The official withdrawal procedure requires that the student obtain clearances from the Registrar, the Library, the Bookstore, Student Housing, and the Accounting Department.

Student Transcript of Academic Record

At the end of each semester, students are provided with a copy of his/her academic records. Errors or suspected errors should be brought to the immediate attention of the Registrar. An official transcript of a student's entire academic record will be provided upon submission of a written request from the student to the Registrar. The official transcript will be mailed by the Registrar to the intended recipient and cannot be handed directly to the student. Student copies of transcripts may also be issued upon request, which can be handed to the student.

Summer Session

Summer session is organized primarily to help students with lower scholastic achievement in some courses. Students may register to summer session courses with the approval of the Department. Summer session is an intensive study which lasts for eight weeks. The number of courses offered is based on student demand and faculty availability. The grading policy is the same as the regular terms.

Summer Training / Internship

Students enrolled in undergraduate programs run by the Computer Engineering department are required to do an internship of 40 days duration in organizations related to their fields of study as part of the fulfillment of the degree program requirements. Ideally, students should have at least completed their third academic year before doing their internship.

Starting from 2010-2011 academic year, students who have completed the curriculum apart from the summer training must pay 1/20 of the semester fees to register for only summer training.

Disciplinary Matters

The principles of truth and honesty are recognized as fundamental to an academic community. It is expected that both teachers and students honor these principles. In the event of academic dishonesty or behavior that may damage University functions, disciplinary actions as described in the "Disciplinary Regulations" may be enforced by the Disciplinary Committee of the University.

USEFUL LINKS

Computer Engineering Web Site: https://cmpe.emu.edu.tr

University Web Site: https://www.emu.edu.tr/

Rules and regulations of the university: http://mevzuat.emu.edu.tr/

Student portal: https://student.emu.edu.tr/

Campus Map: https://www.emu.edu.tr/campusmap

NOTES