

NEAR EAST UNIVERSITY

VOCATIONAL SCHOOL

ASSOCIATE DEGREE PROGRAMME in COMPUTER
PROGRAMMING

COURSE CATALOGUE

2021-22 FALL

- **QUALIFICATION AWARDED**
The students who successfully complete the program are awarded the Associate degree of in Computer Programming.
- **LEVEL OF QUALIFICATION**
Vocational Degree (1st Cycle)
- **SPECIFIC ADMISSION REQUIREMENTS**

In the framework of the regulations set by Higher Education Council of Turkey (YÖK), student admission for this undergraduate program is made through a university entrance examination called YKS. Following the submission of students' academic program preferences, Student Selection and Placement Center (ÖSYM) places the students to the relevant program according to the score they get from ÖSYS.

International students are accepted to this undergraduate program according to the score of one of the international exams they take such as SAT, ACT and so on, or according to their high school diploma score.

Exchange student admission is made according to the requirements determined by bilateral agreements signed by NEU and the partner university.

Visiting students can enroll for the courses offered in this program upon the confirmation of the related academic unit. Additionally, they need to prove their English language level since the medium of instruction of the program is English.

- **QUALIFICATION REQUIREMENTS AND REGULATIONS**

The students studying in this undergraduate program are required to have a Cumulative Grade Points Average (CGPA) of not less than 2.00/4.00 and have completed all the courses with at least a letter grade of DD/S in the program in order to graduate. The minimum number of ECTS credits required for graduation is 120. It is also mandatory for the students to complete their compulsory internship in a specified duration and quality.

- **RECOGNITION OF PRIOR LEARNING**

At Near East University, full-time students can be exempted from some courses within the framework of the related bylaws. If the content of the course previously taken in another institution is equivalent to the course offered at NEU, then the student can be exempted from this course with the approval of the related faculty/graduate school after the evaluation of the course content.

- **PROFILE OF THE PROGRAM**
- **PROGRAM OUTCOMES**

Program Outcomes	
1	sing abstract concepts to solve computer programming issues
2	provides the ability to recognize, model, and conduct necessary research for problems in the computer programming field.
3	Provides the ability to code and design in accordance with a set of objectives.
4	Provides the ability to create graphical and animation designs in Internet programming.

5	To be able to set up, maintain, and test the software's essential database
6	Provides the ability to create graphical and animation designs in Internet programming.
7	To be able to install, test and accept software
8	Provides the ability to employ industry-standard applications and operating systems.
9	To be able to create successful solutions in a global and societal context, particularly in the areas of security and the environment.
10	To be able to create designs that are appropriate for the needs of the internet programming industry.
11	Gaining knowledge of Atatürk's Principles and Revolutions and Cyprus history and culture
12	Being able to use the necessary software in the office environment
13	Knowing a foreign language at a sufficient level to be able to communicate effectively with people in the industry by effectively employing the language

➤ **COURSE & PROGRAM OUTCOMES MATRIX**

Course Code	Course Name	Program Outcomes												
		1	2	3	4	5	6	7	8	9	10	11	12	13
1st Year - 1st Semester														
ENG 101	ENGLISH I													5
MTH 171	MATHEMATICS FOR BUSINESS AND ECONOMICS I	5	3	3	4	4	3	3	4	4	2		2	1
EAS 101	PRINCIPLES OF ECONOMICS I	4	4	4	4	5	4	4	4	3	2		2	4
EAS 103	INTRODUCTION TO BUSINESS	5	5	5	4	4	4	3	3	3	2		2	4
CIS 131	INTRO. TO COMPUTER INFORMATION SYSTEMS	5	5	5	5	4	4	4	4	4	5		4	4
YİT 101/ TUR 101	TURKISH FOR INTERNATIONAL STUDENTS I TURKISH LANGUAGE I (TURKISH STDS)													5
CAM 100	CAMPUS ORIENTATION													5
CHC 100	CYPRUS: HISTORY AND CULTURE													5
1st Year - 2nd Semester														
ENG 102	ENGLISH II	4	5	5	3	3	3	3	4	4	4	1	5	3
CIS 142	ANIMATION TECHNOLOGIES	3	4	4	4	4	5	4	5	4	3		4	4
CIS 143	DATA STRUCTURES	4	5	5	3	3	3	3	4	4	4		5	3
CIS 132	INTRO. TO ALGORITHM AND PROGRAMMING	3	4	4	4	4	5	4	5	4	3		4	4
YİT 102/ TUR 102	TURKISH II (FOREIGN STDS) TURKISH II (TURKISH STDS)													5
CIS 202	OPERATING SYSTEMS	4	5	5	3	3	3	3	4	4	4		5	3
CAR 100	CAREER PLANNING													5
2nd Year - 1st Semester														
CIS 246	DATABASE MANAGEMENT	5	3	3	4	4	3	3	4	4	2		2	1
CIS 205	PROGRAMMING LANGUAGE I	4	4	4	4	5	4	4	4	3	2		2	4
CIS 232	PROGRAMMING LANGUAGE II	5	5	5	4	4	4	3	3	3	2		2	4
CIS 206	SUMMER TRAINING	5	5	5	5	4	4	4	4	4	5		4	4

CIS 231	SYSTEM ANALYSIS AND DESIGN	5	3	3	4	4	3	3	4	4	2		2	1
AIT 101/ AIT 103	PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION I (FOR FOREIGNERS) PRINCIPLES OF ATATÜRK I (FOR TURKISH STDS)	4	4	4	4	5	4	4	4	3	2		2	4
	TECHNICAL ELECTIVE													
2nd Year - 2nd Semester														
CIS240	INTERNET PROGRAMMING	5	3	3	4	4	3	3	4	4	2		2	1
CIS286	DATABASE PROGRAMMING I	4	4	4	4	5	4	4	4	3	2		2	4
CIS252	PROGRAMMING LANGUAGE III	5	5	5	4	4	4	3	3	3	2		2	4
CIS200	GRADUATION PROJECT	5	5	5	5	4	4	4	4	4	5		4	4
AIT102/ AIT104	PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION II (FOR FOREIGNERS) PRINCIPLES OF ATATÜRK II (FOR TURKISH STDS)											5		1
	TECHNICAL ELECTIVE													
	TECHNICAL ELECTIVE													
Technical (Field-Related) Elective Courses														
CIS 262	ETHICAL AND SOCIAL ISSUES IN INFORMATION SYSTEMS	5	3	3	4	4	3	3	4	4	2		2	1
CIS 216	COMPUTER NETWORKS	4	4	4	4	5	4	4	4	3	2		2	4
CIS 220	INFORMATION SYSTEMS SECURITY	5	5	5	4	4	4	3	3	3	2		2	4
CIS 221	SOFTWARE TESTING	5	5	5	5	4	4	4	4	4	5		4	4
CIS 430	INFORMATION SYSTEMS FOR COMMUNICATION	5	3	3	4	4	3	3	4	4	2		2	1
CIS 235	E-LEARNING SYSTEMS	4	4	4	4	5	4	4	4	3	2		2	4
CIS 250	IT PROJECT MANAGEMENT	5	5	5	4	4	4	3	3	3	2		2	4
CIS 288	WEB DEVELOPMENT	5	5	5	5	4	4	4	4	4	5		4	4

* 1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest

➤ **OCCUPATIONAL PROFILES OF GRADUATES**

Graduates of Computer Programming department can find job in Computer software companies, Large and medium-sized Innovation Technology companies, Municipalities, hospitals, etc. government institutions , private IT companies.

➤ **ACCESS TO FURTHER STUDIES**

The students graduating from this program may apply to graduate programs.

➤ **PROGRAM STRUCTURE**

The associate degree program in Computer Programming consists 32 courses with 120 ECTS credits in total.

There are at least 7 courses in each semester, excluding common compulsory courses and elective courses. In each program, there are common compulsory courses identified by the Higher Education Council of Turkey (YÖK) and other common courses determined by the university senate. Beginning from the fourth year, elective courses are anticipated in each semester.

COURSES OFFERED THROUGHOUT THE UNIVERSITY		
Common University Courses	Campus Orientation	The students are registered to this course at the beginning of the first semester of the freshman year to familiarize them with the campus life at NEU.
	Career Planning	The students are registered to this course at the beginning of their second semester of the freshman year to help them prepare for work life after graduation.
	Cyprus History and Culture	This course is taken by students in their freshmen year and it aims to help them to familiarize them with the local history and culture.
Common Compulsory Courses (YÖK Courses)	Turkish Language I-II (Turkish for Foreigners I & II to replace this course for international students) Principles of Atatürk and History of Revolution I-II	These are the compulsory courses which are required to be offered in all of the associate and undergraduate programs in Turkey according to the Higher Education Legislation.
	Information Technologies	This course is anticipated in all the associate and undergraduate programs in Turkey in order to make the students gain the qualifications related to basic information technologies.
	Foreign Language (ENGLISH) I & II	This course is offered in the first and second semester and conducted according to the program curriculum of each faculty.

➤ **COURSE STRUCTURE DIAGRAM WITH COURSE CREDITS**

To see the course details (such as objectives, learning outcomes, content, assessment and ECTS workload), click the relevant Course Code given in the table below.

1 st Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
ENG 101		ENGLISH I	3	0	3	3

MTH 171		MATHEMATICS FOR BUSINESS AND ECONOMICS I	3	0	3	5
EAS 101		PRINCIPLES OF ECONOMICS I	3	0	3	5
EAS 103		INTRODUCTION TO BUSINESS	3	0	3	5
CIS 131		INTRO. TO COMPUTER INFORMATION SYSTEMS	3	0	3	6
YİT 101/ TUR 101		TURKISH FOR INTERNATIONAL STUDENTS I TURKISH LANGUAGE I (TURKISH STDS)	2	0	2	2
CAM 100		CAMPUS ORIENTATION	0	0	0	2
CHC 100		CYPRUS: HISTORY AND CULTURE	2	0	2	2
Total						30

1 st Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
ENG 102	ENG101	ENGLISH II	3	0	3	3
CIS 142		ANIMATION TECHNOLOGIES	2	2	3	5
CIS 143		DATA STRUCTURES	3	0	3	6
CIS 132		INTRO. TO ALGORITHM AND PROGRAMMING	2	2	3	6
YİT 102/ TUR 102		TURKISH II (FOREIGN STDS) TURKISH II (TURKISH STDS)	2	0	2	2
CIS 202		OPERATING SYSTEMS	3	0	3	6
CAR100		CAREER PLANNING	0	0	0	2
Total						30

2 nd Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
CIS 246	CIS 243	DATABASE MANAGEMENT	2	2	3	6
CIS 205	CIS 132	PROGRAMMING LANGUAGE I	2	2	3	6

CIS 232	CIS 132	PROGRAMMING LANGUAGE II	2	2	3	6
CIS 206		SUMMER TRAINING	0	0	0	2
CIS 231		SYSTEM ANALYSIS AND DESIGN	3	0	3	6
AİT 101/ AİT 103		PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION I (FOR FOREIGNERS) PRINCIPLES OF ATATÜRK I (FOR TURKISH STDS)	2	0	2	2
		TECHNICAL ELECTIVE	2	2	3	2
Total						30

2 nd Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
CIS 240		INTERNET PROGRAMMING	2	2	3	5
CIS 286		DATABASE PROGRAMMING I	2	2	3	5
CIS 252		PROGRAMMING LANGUAGE III	2	2	3	5
CIS 200		GRADUATION PROJECT	2	1	3	9
AİT 102/ AİT 104"		PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION II (FOR FOREIGNERS) PRINCIPLES OF ATATÜRK II (FOR TURKISH STDS)	2	0	2	2
		TECHNICAL ELECTIVE	2	2	3	2
		TECHNICAL ELECTIVE	2	2	3	2
Total						30

Field-Related / Technical Elective Courses						
Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
CIS242		ANIMATION TECHNOLOGIES	2	2	3	4
CIS416		COMPUTER NETWORKS	2	2	3	4

CIS420	INFORMATION SYSTEMS SECURITY	2	2	3	4
CIS221	SOFTWARE TESTING	2	2	3	4
CIS430	INFORMATION SYSTEMS FOR COMMUNICATION	2	2	3	4
CIS435	E-LEARNING SYSTEMS	2	2	3	4
CIS250	IT PROJECT MANAGEMENT	2	2	3	4
CIS288	WEB DEVELOPMENT	2	2	3	4

Additional Notes

A total of 120 ECTS credits of courses are required to graduate. The Computer Programming students must complete technical elective courses to provide a total of 120 ECTS credits. Otherwise they will not be deemed to fulfill the conditions to graduate from the program.

If you need support for these courses due to your disability, please refer to Disability Support Unit. Contact; engelsiz@neu.edu.tr

➤ EXAM REGULATIONS & ASSESSMENT & GRADING

Exam Regulations and, Assessment, and Grading

For each course taken at NEU, the student is given one of the letter grades below by the instructor as the semester course grade. Each grade has also its ECTS grade equivalent

The table below provides the detailed information about the local letter grades, coefficients and ECTS grade equivalents.

SCORE	GRADE	COEFFICIENT	ECTS Grade
90-100	AA	4.0	A
85-89	BA	3.5	B*
80-84	BB	3.0	B*
75-79	CB	2.5	C*
70-74	CC	2.0	C*

60-69	DC	1.5	D
50-59	DD	1.0	E
49 and below	FF	0.0	F

*for these ones, the higher grade is applied

In order to be successful in a course, short cycle (associate degree) and first cycle (bachelor's degree) students have to get a grade of at least DD, second cycle (master's degree) students have to get a grade of at least CC, and third cycle (Ph.D.) students have to get a grade of at least CB to pass a course. For courses which are not included in the cumulative GPA, students need to get a grade of S.

Apart from that, each local grade has its equivalent ECTS grade which makes it easier to transfer the grades of mobility periods of students. The chart above shows the ECTS grading system at NEU.

Also, among the Letter Grades;

I	Incomplete
S	Satisfactory Completion
U	Unsatisfactory
P	Successful Progress
NP	Not Successful Progress
EX	Exempt
NI	Not included
W	Withdrawal
NA	Never Attended

Grade of I (Incomplete), is given to students who are not able to meet all the course requirements at the end of the semester or summer school due to a valid justification accepted by the instructor. Students who receive a letter grade "I" must complete their missing course requirements and receive a letter grade within one week following the date the end of semester grades or summer school grades submitted. However, in the event of special cases, this period can be extended until two weeks before the beginning of registration for the next semester, upon the recommendation of the respective Graduate School department head and the decision of that academic unit's administrative board. Otherwise, grade of "I" will automatically become grade of FF, or grade of U.

Grade of S (Satisfactory) is given to students who are successful in non-credited courses.

Grade of U (Unsatisfactory) is given to students who are unsuccessful in non-credited courses.

Grade of P (Successful Progress) is given to students, who continue to the courses that are not included in the GPA that has a period exceeding one semester, and regularly performs the academic studies for the respective semester.

Grade of NP (Not Successful Progress) is given to students, who do not regularly perform the academic studies for the respective semester for courses that are not included in the GPA and have a period exceeding one semester.

Grade of EX (Exempt), is given to students who are exempt from some of the courses in the curriculum.

Grade of NI (Not included) is issued to identify the courses taken by the student in the program or programs which are not included in the GPA of the student. This grade is reported in the students' transcripts with the respective letter grade. Such courses are not counted as the courses in the program that the student is registered to.

Grade of W (Withdrawal) is used for the courses that the student withdraws from in the first ten weeks of the semester following the add/drop period, upon the recommendation of his/ her advisor and the permission of the instructor that teaches the course. A student is not allowed to withdraw from courses during the first two semesters of his/ her associate/undergraduate degree program and from those courses he/she has to repeat and received grade "W" before, which are not included in the grade average. A student is allowed to withdraw from two courses at the most during his/ her associate degree study, and four courses during his/her undergraduate study upon the recommendation of the advisor and the permission of the instructor that teaches the course. A student has to take the course that he/she withdrew from, the first semester in which it is offered.

Grade "NA" (Never Attended) is issued by the instructor for students who fail to fulfil the attendance and/or requirements of the course and/or who lose their right to take the end of semester exam because they failed to take any of the exams administered throughout the semester. Grade "NA" is not considered in the average calculations.

Both the ECTS grades and the local grades of the students are displayed on the official transcript of the students.

➤ **GRADUATION REQUIREMENTS**

In order to graduate from this undergraduate program, the students are required;

to succeed in all of the courses listed in the curriculum of the program by getting the grade of at least DD/S with a minimum of 120 ECTS to have a Cumulative Grade Point Average (CGPA) of 2.00 out of 4.00 to complete their compulsory internship in a specified duration and quality.

➤ **MODE OF STUDY**

This is a full time program.

➤ **PROGRAM DIRECTOR (OR EQUIVALENT)**

➤ Asst. Prof. Dr. Seren Başaran, Head of Computer Programming

➤ **EVALUATION QUESTIONNAIRES**

Evaluation Survey

Graduation Survey

Satisfaction Survey