



Bachelor's Degree in Computer Education And Instructional Technology

Faculty Of Education

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GENERAL INFORMATION
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Course Structure Diagram

First Semester		Theo.	Prac	Credits	ECTS
<u>TURK 101</u>	TURKISH LANGUAGE I	2	0	2	2
<u>MATH 103</u>	CALCULUS FOR SOCIAL SCIENCES I	3	0	3	8
<u>EDU 105</u>	INTRODUCTION TO EDUCATION	3	0	3	5
<u>EDU 103</u>	ORIENTATION TO EDUCATION	2	0	2	4
<u>CET 103</u>	TECHNICAL ENGLISH I	3	0	3	4
<u>CET 101</u>	INFORMATION TECHNOLOGIES IN EDUCATION I	3	2	4	5
<u>APHR 101</u>	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2	0	2	2
		18	2	19	30

Second Semester		Theo.	Prac	Credits	ECTS
<u>TURK 102</u>	TURKISH LANGUAGE II	2	0	2	2
<u>MATH 104</u>	CALCULUS FOR SOCIAL SCIENCES II	3	0	3	6
<u>EDU 102</u>	EDUCATIONAL PSYCHOLOGY	3	0	3	5
<u>CET 106</u>	TECHNICAL ENGLISH II	3	0	3	7
<u>CET 104</u>	INFORMATION TECHNOLOGIES IN EDUCATION II	3	2	4	8
<u>APHR 102</u>	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2	0	2	2
		16	2	17	30

Third Semester		Theo.	Prac	Credits	ECTS
<u>PHYS 103</u>	GENERAL PHYSICS I	3	2	4	7
<u>CET 205</u>	COMPUTER HARDWARE	2	2	3	5
<u>CET 203</u>	DESIGNING AND USING MATERIAL IN EDUCATION	2	2	3	5
<u>CET 201</u>	PROGRAMMING LANGUAGE I	3	2	4	5
XXX xxx	AREA ELECTIVE I	3	0	3	4
XXX xxx	AREA ELECTIVE II	3	0	3	4
		16	8	20	30

Fourth Semester		Theo.	Prac	Credits	ECTS
<u>PHYS 104</u>	GENERAL PHYSICS II	3	2	4	7
<u>EDU 212</u>	PRINCIPLES AND METHODS OF INSTRUCTION	3	0	3	5
<u>CET 206</u>	GRAPHICS AND ANIMATION IN EDUCATION	2	2	3	4
<u>CET 204</u>	INSTRUCTIONAL DESIGNING	3	0	3	5
<u>CET 202</u>	PROGRAMMING LANGUAGE II	3	2	4	5
XXX xxx	AREA ELECTIVE III	2	2	3	5
		16	8	20	31

Fifth Semester		Theo.	Prac	Credits	ECTS
<u>EDU 331</u>	SPECIAL INSTRUCTIONAL METHODS	2	2	3	5
<u>EDU 301</u>	CLASSROOM MANAGEMENT	2	0	2	4
<u>CET 305</u>	DISTANCE EDUCATION	3	0	3	5
<u>CET 301</u>	OPERATING SYSTEMS AND APPLICATIONS	2	2	3	6
XXX xxx	AREA ELECTIVE IV	2	2	3	5
XXX xxx	NON AREA ELECTIVE I	3	0	3	5
		14	6	17	30

Sixth Semester		Theo.	Prac	Credits	ECTS
<u>EDU 302</u>	COMMUNITY SERVICE	1	2	2	4
<u>EDU 217</u>	OBSERVATION IN INSTITUTIONS	1	4	3	5
<u>EDU 202</u>	MEASUREMENT AND EVALUATION	3	0	3	5
<u>CET 308</u>	SPECIAL INSTRUCTIONAL METHODS II	2	2	3	6
<u>CET 306</u>	DATABASE MANAGEMENT SYSTEMS IN EDUCATION	2	2	3	5
XXX xxx	NON AREA ELECTIVE II	3	0	3	5
		12	10	17	30

Seventh Semester		Theo.	Prac	Credits	ECTS
<u>EDU 420</u>	APPLIED EDUCATIONAL ENTREPRENEURSHIP	2	2	3	5
EDU 407	SCHOOL EXPERIENCE I	2	6	5	5
<u>EDU 401</u>	GUIDANCE	3	0	3	5
EDU 219	SCIENTIFIC RESEARCH METHODS	3	0	3	5
<u>CET 401</u>	PROJECT DEVELOPMENT AND MANAGEMENT I	3	0	3	5
XXX xxx	NON AREA ELECTIVE III	3	0	3	5

		16	8	20	30
Eight Semester		Theo.	Prac	Credits	ECTS
<u>EDU 412</u>	SCHOOL EXPERIENCE II	2	6	5	5
<u>CET 404</u>	MULTIMEDIA DESING AND DEVELOPMENT	2	2	3	5
<u>CET 402</u>	PROJECT DEVELOPMENT AND MANAGEMENT II	3	0	3	5
XXX xxx	AREA ELECTIVE V	3	0	3	5
XXX xxx	AREA ELECTIVE VI	3	0	3	5
XXX xxx	NON AREA ELECTIVE IV	3	0	3	5
		16	8	20	30

* Except the courses listed below, students can select courses from the CENG with the agreement of head Computer Education and Instructional Technology (CET) of department.

** Only for international students Turkish courses are acceptable. (TDK XXX)

*** Students who did not take MATH 113 or MATH 114 or took and failed or want to raise their grades, can take MATH 103 and MATH 104 instead respectively

Total Credits Required in Degree Program: 150 / Total ECTS Credits: 241

INFORMATION: All of the following elective courses aren't opened each semester. Please take information about potential open courses from the head of department.

Elective Courses

TECHNICAL ELECTIVES (3+0) 3		Theo.	Prac	Credits	ECTS
<u>CET 209</u>	DESKTOP PUBLISHING	3	0	3	4
<u>CET 210</u>	EDUCATION AND TECHNOLOGY	3	0	3	4
<u>CET 211</u>	MEDIA LITERACY	3	0	3	4
<u>CET 212</u>	VIRTUAL WORLDS IN EDUCATION: THEORY	3	0	3	5
<u>CET 303</u>	INTERNET BASED PROGRAMMING	2	2	3	5
<u>CET 304</u>	COMPUTER NETWORKS AND COMMUNICATION	2	2	3	5
<u>CET 311</u>	COMPUTER ASSISTED EDUCATION	3	0	3	5
<u>CET 312</u>	FOUNDATIONS OF EDUCATIONAL TECHNOLOGY	3	0	3	5
<u>CET 313</u>	HUMAN COMPUTER INTERACTION	3	0	3	5
<u>CET 314</u>	COMPUTER ETHICS	3	0	3	5
<u>CET 372</u>	INSTRUCTIONAL TECHNOLOGY & MATERIAL DEVELOPMENT	2	2	3	5
<u>CET 406</u>	WEB DESIGN	2	2	3	5
<u>CET 408</u>	VISUAL PROGRAMMING PLATFORMS IN EDUCATION	2	2	3	4
<u>CET 410</u>	INFORMATION SECURITY	3	0	3	5
<u>CET 412</u>	SENIOR DESIGN PROJECT	3	0	3	4
<u>CET 414</u>	MOBILE SOFTWARE DEVELOPMENT IN EDUCATION	3	0	3	5
<u>CET 416</u>	TECHNOLOGY PLANNING AND USAGE IN SCHOOLS	3	0	3	4
<u>CET 418</u>	ROBOTIC APPLICATIONS IN EDUCATION	3	0	3	5
<u>CET 420</u>	INTRODUCTION TO INTERACTIVE PROGRAMMING WITH PYTHON	3	0	3	5
<u>CET 422</u>	SMART SYSTEMS IN EDUCATION	2	2	3	5
<u>CET 432</u>	DISTANCE TEACHING APPLICATIONS	2	2	3	5
<u>CENG 101</u>	COMPUTER PROGRAMMING I	4	4	6	8
<u>CENG 201</u>	DATA STRUCTURES	3	0	3	5
<u>CENG 203</u>	DIGITAL SYSTEMS	3	2	4	6
<u>CENG 252</u>	COMPUTER ORGANIZATION	3	0	3	7
<u>CENG 303</u>	MICROPROCESSORS AND MICROCOMPUTING	3	0	3	7
<u>CENG 401</u>	SOFTWARE ENGINEERING	3	0	3	5
<u>CENG 459</u>	MACHINE LEARNING	3	0	3	5
<u>CENG 479</u>	CROSS PLATFORM MOBILE APPLICATION DEVELOPMENT	3	0	3	5
<u>CENG 490</u>	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	3	0	3	5
<u>BIOL 419</u>	BIOINFORMATICS	3	0	3	7
<u>GEO 281</u>	FUNDAMENTALS OF GEOGRAPIC INFORMATION SYSTEMS	3	0	3	6
<u>EDU 104</u>	HISTORY OF TURKISH EDUCATION	3	0	3	5
<u>EDU 203</u>	COMPARATIVE EDUCATION	3	0	3	5
<u>EDU 309</u>	VALUES EDUCATION	3	0	3	5
<u>EDU 330</u>	SPECIAL EDUCATION	3	0	3	5
<u>EDU 409</u>	STATISTICS EDUCATION	3	0	3	5
<u>EDU 430</u>	TURKISH EDUCATION SYS. & SCHOOL ADMINISTRATION	3	0	3	5
<u>IE 228</u>	MATERIALS AND PROCESSES IN MANUFACTURING	3	0	3	5
<u>IE 325</u>	COST ANALYSIS AND CONTROL	3	0	3	5
<u>IE 466</u>	INFORMATION SYSTEMS AND DESIGN	3	0	3	5
<u>GBE 308</u>	BIOINFORMATICS	3	2	4	6
<u>MAN 106</u>	INTRODUCTION TO BEHAVIORAL SCIENCE	3	0	3	5
<u>MAN 367</u>	BUSINESS ETHICS	3	0	3	6
<u>MAN 407</u>	MANAGEMENT INFORMATION SYSTEMS	3	0	3	6
<u>MAN 432</u>	BUSINESS POLICY	3	0	3	6
<u>MAN 454</u>	BRAND MANAGEMENT	3	0	3	6
<u>PCG 318</u>	PRODUCTIVE STUDY SKILLS AND LEARNING METHODS	3	0	3	5
NON-AREA TECHNICAL ELECTIVES (3+0) 3		Theo.	Prac	Credits	ECTS

<u>ARB 201</u>	ARABIC LANGUAGE I	3	0	3	5
<u>ARB 202</u>	ARABIC LANGUAGE II	3	0	3	5
<u>ARB 301</u>	ARABIC LANGUAGE III	3	0	3	5
<u>ARB 302</u>	ARABIC LANGUAGE IV	3	0	3	5
<u>FRE 201</u>	FRANSIZ DİLİ I	3	0	3	5
<u>FRE 202</u>	FRANSIZ DİLİ II	3	0	3	5
<u>FRE 301</u>	FRANSIZ DİLİ III	3	0	3	5
<u>FRE 302</u>	FRANSIZ DİLİ IV	3	0	3	5
<u>GER 201</u>	ALMAN DİLİ I	3	0	3	5
<u>GER 202</u>	ALMAN DİLİ II	3	0	3	5
<u>GER 301</u>	ALMAN DİLİ III	3	0	3	5
<u>GER 302</u>	ALMAN DİLİ IV	3	0	3	5
<u>RUS 201</u>	RUS DİLİ I	3	0	3	5
<u>RUS 202</u>	RUS DİLİ II	3	0	3	5
<u>RUS 302</u>	RUSSIAN LANGUAGE IV	3	0	3	5
<u>İLH 254</u>	PSİKOLOJİ VE DİN	3	0	3	5
<u>İLH 350</u>	KUR'AN	3	0	3	5
<u>İLH 351</u>	KUR'AN VE MODERNİZM	3	0	3	5
İLH 352	HADİSE GİRİŞ	3	0	3	5
İLH 353	TEFSİRE GİRİŞ	3	0	3	5
<u>İLH 354</u>	RUH SAĞLIĞI VE DİN	3	0	3	5
İLH 450	GÜNÜMÜZ MÜSLÜMAN TOPLUMLARI	3	0	3	5
<u>İLH 451</u>	İSLAM VE SOSYAL PROBLEMLER	3	0	3	5
<u>İLH 452</u>	KUR'AN VE BİLİM	3	0	3	5
<u>İLH 453</u>	İSLAM VE EKOLOJİ	3	0	3	5
İLH 454	İSLAM MEDENİYETİ	3	0	3	5
<u>TDK 101</u>	BASIC TURKISH I	2	2	3	5
<u>TDK 103</u>	SPEAKING AND WRITING I	2	2	3	5
<u>TDK 203</u>	SPEAKING AND WRITING II	2	2	3	5
<u>TDK 303</u>	SPEAKING AND WRITING III	2	2	3	5

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