

Curriculum Course List for Forensic Engineering for Students Admitted in 2014 and After

1st Semester Course Plan

Course Code	Course Name	T+L	Compulsory/Elective	ETCS
ABM101	Algorithms and Programming	3+2	Compulsory	7
ABM103	Fundamentals of Forensic Digital Engineering	3+2	Compulsory	7
FİZ111	Physics - I	3+2	Compulsory	6
MAT161	Mathematics – I	4+0	Compulsory	6
TRD109	Turkish Language – I	2+0	Compulsory	2
YDİ107	English - I	2+0	Compulsory	2
			Total ECTS	30

2nd Semester Course Plan

Course Code	Course Name	T+L	Compulsory/Elective	ETCS
ABM102	Programming Languages	3+2	Compulsory	7
ABM104	Computer Systems	3+2	Compulsory	7
FİZ112	Physics - II	3+2	Compulsory	6
MAT162	Mathematics - II	4+0	Compulsory	6
TRD110	Turkish Language - II	2+0	Compulsory	2
YDİ108	English - II	2+0	Compulsory	2
			Total ECTS	30

3rd Semester Course Plan

Course Code	Course Name	T+L	Compulsory/Elective	ETCS
ABM201	Computer Networks	2+2	Compulsory	6
ABM203	Cybercrime Hardware	2+1	Compulsory	5
ABM205	Information Security and Cryptography Techniques	3+2	Compulsory	6
ABM207	Digital Forensic Engineering Laws	3+2	Compulsory	5
AİT209	Atatürk's Principles and Revolution History - I	2+0	Compulsory	2
MAT213	Engineering Mathematics	3+0	Compulsory	4
İKT215	Engineering Economics	2+0	Elective	2
İŞL451	Entrepreneurship - I	2+0	Elective	2
			Total ECTS	32

4th Semester Course Plan

Course Code	Course Name	T+L	Compulsory/Elective	ETCS
ABM202	Network and System Security	2+1	Compulsory	5
ABM204	Internet and E-Commerce Security	3+2	Compulsory	6
ABM206	Professional English	3+0	Compulsory	3
ABM208	Multimedia Information Systems	3+2	Compulsory	6
AİT210	Atatürk's Principles and Revolution History - II	2+0	Compulsory	2
İST216	Statistics and Probability	2+0	Compulsory	2
MAT214	Linear Algebra	2+0	Compulsory	3
İŞL452	Entrepreneurship - II	2+0	Elective	3
			Total ECTS	30

5th Semester Course Plan

Course Code	Course Name	T+L	Compulsory/Elective	ETCS
ABM301	Database Management Systems	3+2	Compulsory	6

ABM303	Electronic Evidence and Computer Crimes	3+2	Compulsory	7
ABM305	Operating Systems	3+1	Compulsory	5
ABM307	Cybercrime Investigation Software	3+2	Compulsory	6
ABM309	Cybercrime Investigation Hardware	3+2	Compulsory	6
			Total ECTS	30

6th Semester Course Plan

Course Code	Course Name	T+L	Compulsory/Elective	ETCS
ABM302	File System Analysis	3+1	Compulsory	5
ABM304	Identification Methods and Biometry	3+2	Compulsory	6
ABM306	Web-Based Information Access	3+1	Compulsory	5
ABM308	Labor Law	2+0	Compulsory	2
ABM310	Online Crime Tracking	3+2	Elective	6
ABM312	Optimization Techniques	3+2	Elective	6
ABM314	Data Compression	3+2	Elective	6
ABM316	Data Mining	3+2	Elective	6
ABM318	Text-Based Information Retrieval Systems	3+2	Elective	6
ABM320	Bioinformatics	3+2	Elective	6
ABM322	Wireless/Mobile Networks	3+2	Elective	6
ABM324	Security-Focused Computer Systems	3+2	Elective	6
ABM326	Data Structures	3+2	Elective	6
ABM328	Numerical Methods	3+2	Elective	6
			Total ECTS	78

7th Semester Course Plan

Course Code	Course Name	T+L	Compulsory/Elective	ETCS
ABM401	Workplace Training	5+15	Compulsory	20
ABM403	Internship - I	0+2	Compulsory	5
ABM405	Internship - II	0+2	Compulsory	5
ABM407	Electronic Evidence Collection and Analysis	3+2	Elective	6
ABM409	Software Ethics	2+0	Elective	4
ABM411	Graduation Project	0+2	Elective	5
ABM413	Human Resources Management	2+0	Elective	3
ABM415	Speech Recognition and Generation	3+2	Elective	6
ABM417	Mobile Software Development	3+2	Elective	6
ABM419	Digital Image Processing Techniques	3+2	Elective	6
ABM421	Decision Support Systems	3+2	Elective	6
ABM423	Computer Vision	3+2	Elective	6
ABM425	Human-Computer Interaction	3+2	Elective	6
ABM427	Machine Learning	3+2	Elective	6
ABM429	Mobile Application Software Development	3+2	Elective	6
ABM431	Website Usability	3+2	Elective	6
ABM433	Information Security Management	3+2	Elective	6
			Total ECTS	108

8th Semester Course Plan

Course Code	Course Name	T+L	Compulsory/Elective	ETCS
ABM402	Electronic Evidence Collection and Analysis	3+2	Compulsory	6
ABM404	Software Ethics	2+0	Compulsory	4
ABM406	Graduation Project	0+2	Compulsory	5
ABM408	Human Resources Management	2+0	Compulsory	3

ABM430	Workplace Training	5+15	Compulsory	20
ABM432	Internship - I	0+2	Compulsory	5
ABM434	Internship - II	0+2	Compulsory	5
ABM410	Speech Recognition and Generation	3+2	Elective	6
ABM412	Mobile Software Development	3+2	Elective	6
ABM414	Digital Image Processing Techniques	3+2	Elective	6
ABM416	Decision Support Systems	3+2	Elective	6
ABM418	Computer Vision	3+2	Elective	6
ABM420	Human-Computer Interaction	3+2	Elective	6
ABM422	Machine Learning	3+2	Elective	6
ABM424	Mobile Application Software Development	3+2	Elective	6
ABM426	Website Usability	3+2	Elective	6
ABM428	Information Security Management	3+2	Elective	6
			Total ECTS	108
	Elective Course Pool			
BHT101	SCIENTIFIC PREPARATION	15+0	Elective	0