

## Computer Forensics and Cyber Crime Master's Degree Program (with Thesis)

### Purpose of the Program:

The Computer Forensics and Cyber Crime Master's Degree Program (with Thesis), which will be opened under the GCGA Forensic Sciences Institute, Computer Forensics and Cyber Crime Department, aims to create the scientific infrastructure of students in the concepts and elements of informatics, image and audio investigations, which are the most important source of findings in today's forensic investigations, and the concept and elements of cyber crime. Examining image and sound recordings, which have become digital since the early 2000s, is now mainly included in the scope of digital forensic investigations. For this reason, these three areas of investigation are discussed together within the scope of the Computer Forensics and Cyber Crime Master's Program with thesis. In addition, Cyber Crime investigations, which will focus on investigations in the cyber field as the most important environment in which crimes are committed or crime-related findings are obtained due to digitalization today, are also included under this program.

### Course List and Crediting:

The courses planned to be included in the Computer Forensics and Cyber Crime Master's Degree Program (with Thesis) are listed in Table-1.

Lesson Code	Course Name	Course Status	Time	National Credit	ECTS
ABE101	Research Methods	Compulsory	3	3	8
ABE102	Forensic Sciences and Forensic Medicine	Compulsory	3	3	8
ABE103	Statistics Applications in Forensic Sciences	Elective	3	3	6
ABE104	Crime Scene Investigation	Elective	3	3	6
ABE105	Forensic Photography	Elective	3	3	6
ABE201	Ethics and Quality System in Forensic Sciences	Compulsory	3	3	8
ABE202	Evidence Law	Compulsory	3	3	8
ABE203	Expertise Law	Elective	3	3	6
ABE204	Seminar	Compulsory	3	0	4
SBR201	Forensic Data Investigations	Elective	3	3	6
SBR202	Cyber Crime	Elective	3	3	6
SBR203	Computer Forensics Law	Elective	3	3	6
SBR204	Cryptology	Elective	3	3	6
SBR205	Forensic Image Examinations	Elective	3	3	6
SBR206	Forensic Photogrammetry Investigations	Elective	3	3	6

SBR207	Digital Image Processing	Elective	3	3	6
SBR208	Forensic Voice and Speech Investigations	Elective	3	3	6
SBR209	Morphology and Syntax	Elective	3	3	6
SBR210	Psycholinguistics	Elective	3	3	6
SBR211	Phonetics and Phonology	Elective	3	3	6

**Table-1** Courses planned to be included in the Computer Forensics and Cyber Crime Master's Degree Program (with Thesis)

### **Computer Forensics and Cyber Crime Master's Degree Program (without Thesis)**

#### **Purpose of the Program:**

In the Computer Forensics and Cyber Crime Master's Degree Program (without Thesis) to be opened within the Computer Forensics and Cyber Crime Department of the GCGA Institute of Forensic Sciences, in accordance with the purposes stated in the 11th article of the Postgraduate Education and Training Regulation of the Council of Higher Education, examination in the fields of forensic informatics and cyber crime will be carried out. It is aimed to create the scientific infrastructure of students in this regard.

In this context, he is currently working as an expert or assistant expert / assistant in the fields of forensic data analysis, forensic image analysis and forensic voice-speech analysis within the scope of forensic informatics and cyber crime, at the Criminal Department of the Gendarmerie General Command, the Criminal Department of the General Directorate of Security and the Customs. There are personnel who do not have foreign language proficiency working in the Criminal Laboratory of the General Directorate. It is aimed to increase the academic competence of the personnel in question, as well as other students with similar qualifications, in the field of Computer Forensics and Cyber Crime Master's Degree Program (without Thesis), and to enable them to complete a non-thesis master's degree in order to specialize.

#### **Course List and Crediting:**

The courses planned to be included in the Computer Forensics and Cyber Crime Master's Degree Program (without Thesis) are listed in Table-2.

<b>Lesson Code</b>	<b>Course Name</b>	<b>Course Status</b>	<b>Time</b>	<b>National Credit</b>	<b>ECTS</b>
ABE101	Research Methods	Compulsory	3	3	8
ABE102	Forensic Sciences and Forensic Medicine	Compulsory	3	3	8
ABE103	Statistics Applications in Forensic Sciences	Elective	3	3	6
ABE104	Crime Scene Investigation	Elective	3	3	6

ABE105	Forensic Photography	Elective	3	3	6
ABE201	Ethics and Quality System in Forensic Sciences	Compulsory	3	3	8
ABE202	Evidence Law	Compulsory	3	3	8
ABE203	Expertise Law	Elective	3	3	6
SBR201	Forensic Data Investigations	Elective	3	3	6
SBR202	Cyber crime	Elective	3	3	6
SBR203	Computer Forensics Law	Elective	3	3	6
SBR204	Cryptology	Elective	3	3	6
SBR205	Forensic Image Examinations	Elective	3	3	6
SBR206	Forensic Photogrammetry Investigations	Elective	3	3	6
SBR207	Digital Image Processing	Elective	3	3	6
SBR208	Forensic Voice and Speech Investigations	Elective	3	3	6
SBR209	Morphology and Syntax	Elective	3	3	6
SBR210	Psycholinguistics	Elective	3	3	6
SBR211	Phonetics and Phonology	Elective	3	3	6

**Table-2** Courses planned to be included in the Computer Forensics and Cyber Crime Master's Degree Program (without Thesis).