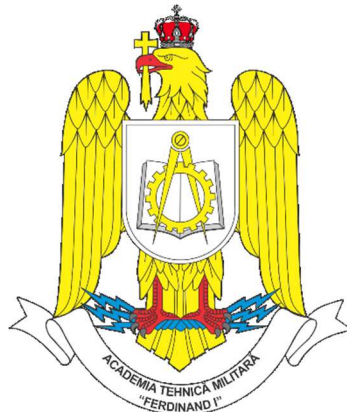


**ROMANIA**  
**MINISTRY OF NATIONAL DEFENCE**  
**MILITARY TECHNICAL ACADEMY**  
**“FERDINAND I”**



**FACULTY C**  
**Faculty of Information Systems and Cyber Security**



**DEPARTMENT OF COMPUTERS AND CYBER SECURITY (C1)**

**DEPARTMENT OF APPLIED INFORMATICS (C2)**

## Programme of study - 1st cycle - License

### Computer Sciences and Information Systems for Defense and National Security

#### 1<sup>st</sup> Year:

**Fundamental Disciplines:** *Mathematical Analysis; Algebra, Analytic and Differential Geometry; Techniques and Computer Programming Languages; Physics; Chemistry; Special Mathematics I; Computer Aided Graphics; Numerical Methods*

**Disciplines in the Field of Study:** *Mechanics and Theory of Mechanisms; Data Structures and Algorithms*

**Specialty Disciplines:** *Basis of Informatics; Computer Programming; Internship I*

**Complementary and Military Disciplines:** *Communication, Public Relations and Negotiation Techniques; English; French; Politology; Psychology and Sociology; Topography; History; Sport*

#### 2<sup>nd</sup> Year:

**Fundamental Disciplines:** *Probability and Mathematical Statistics; Operational Research; Special Mathematics II; General Management*

**Disciplines in the Field of Study:** *Basis of Electrotehnics and Electric Measurements; Object Oriented Programming; Databases; Operating Systems; Digital Integrated Circuits; Communication Networks and Protocols; Systems Theory; Architecture of Computer Systems; Internship II*

**Specialty Disciplines:** *Theory of Information*

**Complementary and Military Disciplines:** *English; French; Sport*

#### 3<sup>rd</sup> Year:

**Fundamental Disciplines:** *Basic Logistics*

**Disciplines in the Field of Study:** *Computer Networks; Artificial Intelligence; Technologies for Documents Management; Multimedia Systems; Formal and Translators Languages (Compilers); Integrated Programming Media; Web Technologies; Management of Military Technical and Economic Activities*

**Specialty Disciplines:** *Operating Systems Design; Management and Development of Database Applications; Numerical Treatment of Signals; Human-Computer Interface; Cryptography; Reliability of Computer Systems; Internship III*

**Complementary and Military Disciplines:** *Economy and Accountancy; English; French; Sport*

#### 4<sup>th</sup> Year:

**Disciplines in the Field of Study:** *Programming Engineering; Parallels Architectures; Specialized Systems with Microprocessors; Geographic Integrated Systems; Management of Informatics Systems; Logistic of Computer Systems and Equipments; Mobile Computer Devices; Military Tactics*

**Specialty Disciplines:** *Data Mining; Biometric Systems; Informatics Security; Graphic Treatment Systems; Modeling and Simulation; Management and Maintenance of Networks; Internship IV*

**Complementary and Military Disciplines:** *Geography; Management of Projects; Sport*

