# LISTE DES COURS

**UNIVERSITÉ D'ACCUEIL** Technical University of Sofia

**SEMESTRE DANS LE CURSUS** Tous

**PROGRAMME DU CLUSTER** Tous

**SAISON** Tous

**LANGUE D'ENSEIGNEMENT** Tous

**DOCUMENT CRÉÉ LE** 21/11/2026

171 cours · 716.0 ECTS au total

| CODE | COURS (LIEN VERS SA DESCRIPTION) | LANGUES D'ENSEIGNEMENT | SAISONS | ECTS |
|---|---|---|---|---|
| MTC11.4 | Adaptative and intelligent wireless sensor network | English | Spring | 3.0 |
| MTC06.3 | Advanced architectures for wireless communications | English | Fall, Spring | 4.0 |
| BCSCe05 | Advanced Software Technologies (C#) | English | Fall | 4.0 |
| BCSCe08 | Agent-Based Technologies | English | Spring | 5.0 |
| BTCEe02 | Analog and digital devices | English | Fall | 7.0 |
| MTC06.2 | Antenna systems for next generation communications | English | Fall, Spring | 4.0 |
| BTC08 | Antennas and radiowave propagation | English | Fall | 6.0 |
| BIEe05 | Applied Geometry and Engineering Graphics | English | Fall | 4.0 |
| BCSCe18 | Artificial Intelligence | English | Fall | 4.0 |
| MTC11.1 | Audio and video systems with artificial intelligence | English | Spring | 3.0 |
| MTC14.1 | Audio visual applications in smart homes | English | Spring | 3.0 |
| BTC51 | Audio- and video engineering | English | Spring | 6.0 |
| BMEHSe07 | Automation of discrete production engineering | English | Spring | 5.0 |
| CCEe02 | Basic programming languages | English | Spring | 6.0 |
| BCSCe24.3 | Bioinformatics | English | Spring | 4.0 |
| LNG | Bulgarian Language | Български | Spring | 4.0 |
| FaBCSCe01 | Bulgarian language | English, Български | Spring | 3.0 |

| CODE | COURS (LIEN VERS SA DESCRIPTION) | LANGUES D'ENSEIGNEMENT | SAISONS | ECTS |
|---|---|---|---|---|
| — | Bulgarian Language and Culture | English | Spring | 4.0 |
| BTC25.4 | Business intelligence | English | Fall | 2.0 |
| BIEe03 | Chemistry | English | Fall | 4.0 |
| MTC12.5 | Cloud technologies | English | Fall | 3.0 |
| — | Communications | English | Fall | ? |
| BIEe41 | Computer Aided Design | English | Fall | 4.0 |
| BCSCe01 | Computer Architectures | English | Fall | 4.0 |
| BCSCe12 | Computer Graphics | English | Spring | 5.0 |
| BIEe58 | Computer Integrated Manufacturing I | English | Fall | 4.0 |
| CCEe05 | Computer systems | English | Spring | 5.0 |
| BIEe06 | Computing I | English | Fall | 4.0 |
| BIEe13 | Computing II | English | Spring | 3.0 |
| BIEe24 | Computing III | English | Fall | 4.0 |
| BTC04 | Cybersecurity | English | Spring | 4.0 |
| MTC05.1 | Data analysis in telecommunications | English | Fall, Spring | 4.0 |
| CCEe08 | Databases | English | Spring | 6.0 |
| MTC14.2 | Deep neural networks | English | Spring | 3.0 |
| BCSCe10 | Development of Linux-based software | English | Spring | 4.0 |
| BTC51.2 | Digital image processing | English | Fall | ? |
| MTC04.4 | Digital radio and television broadcasting | English | Fall, Spring | 4.0 |
| BTCEe03 | Digital signal processing | English | Fall | 5.0 |
| MEECOe14 | Diploma project (start) | English | Fall | 7.0 |
| BCSCe13.1 | Discrete structures | English | Spring | 4.0 |
| BCSCe24.1 | Distributed Systems and Computer Communications | English | Spring | 4.0 |
| BIEe25 | Economics | English | Fall | 3.0 |
| BTCEe06 | Elective semester project | English | Fall | 2.0 |
| EEAe24 | Electrical Engineering | English | Spring | 6.0 |
| BIEe23 | Electronics II | English | Fall | 4.0 |
| BCSCe13.2 | Embedded system | English | Spring | 4.0 |
| MTC14.4 | Embedded wireless systems | English | Spring | 3.0 |

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|---|---|---|---|---|
| BIEe33 | Enterprise Management | English | Spring | 4.0 |
| MEECOe01 | Environmental Quality and Pollution | English | Fall | 4.0 |
| BIEe65 | Financial Accounting | English | Spring | 4.0 |
| BIEe29 | Fluid Mechanics | English | Spring | 4.0 |
| LNG21 | Foreign Language | — | Fall | 4.0 |
| LNG22 | Foreign Language . | English, Français, Español, Deutsch | Spring | 4.0 |
| LNGe11 | Foreign Language I | English | Fall | 3.0 |
| LNGe12 | Foreign Language II | English | Spring | 3.0 |
| CCSEe07 | Fundamentals of Computer and Communication Networks | English | Spring | 5.0 |
| ENGe02 | Fundamentals of Engineering Design | English | Fall | 6.0 |
| BCSCe02 | Fundamentals of Logic Design | English | Fall | 5.0 |
| AMN06 | Fundamentals of Management | English, Български | Spring | 6.0 |
| CCEe07 | Fundamentals of networks technologies | English | Spring | ? |
| MEECOe09 | Geographic Information Systems | English | Spring | 3.0 |
| MTC04.6 | Heterogeneous networks | English | Fall, Spring | 4.0 |
| BCSCe09 | High Performance Computer Systems | English | Spring | 5.0 |
| BIEe51 | Human Resource Management | English | Spring | 4.0 |
| BIEe42 | Industrial Manufacturing Systems I | English | Fall | 4.0 |
| BIEe46 | Industrial Manufacturing Systems II | English | Spring | 5.0 |
| CCE21 | Informatics | English, Български | Spring | 7.0 |
| BCSCe22 | Information Security | English | Spring | 4.0 |
| BTCEe05 | Information transmission theory | English | Fall | 4.0 |
| BCSCe26.1 | Innovation Management and Entrepreneurship | English | Spring | 4.0 |
| BMEHSe08 | Intelligent Measurement Systems | English | Spring | 5.0 |
| BCSCe25.1 | Intelligent Systems | English | Spring | 4.0 |
| MTC12.2 | Interactive digital systems | English | Spring | 3.0 |
| BTC11 | internet of things | English | Spring | 4.0 |
| MTC04.1 | Introduction to artificial intelligence | — | — | 4.0 |
| BIEe61.2 | Introduction to Business Intelligence | English | Fall | 4.0 |

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|---|---|---|---|---|
| CCEe01 | Introduction to programming | English | Fall | 7.0 |
| BCSCe43 | Java Technologies | English | Spring | 4.0 |
| AMN05 | Macroeconomics | — | Spring | 5.0 |
| BCSCe26.2 | Management of IT projects | English | Spring | 4.0 |
| BIEe50 | Manufacturing Design I | English | Spring | 4.0 |
| BIEe57 | Manufacturing Design II | English | Fall | 4.0 |
| BIEe64 | Manufacturing Strategies | English | Spring | 4.0 |
| ENGe01 | Material Science | English | Fall | 7.0 |
| ENGe05 | Materials Science | English | Spring | 6.0 |
| BIEe16 | Materials Science - IE | English | Spring | 3.0 |
| BIEe40 | Materials Technology | English | Fall | 4.0 |
| MAT14 | Mathematics | — | Fall | 7.0 |
| MATe13 | Mathematics I | English | Fall | 6.0 |
| BIEe01 | Mathematics I - IE | English | Fall | 5.0 |
| MATe22 | Mathematics II | English, Български | Spring | 6.0 |
| BIEe10 | Mathematics II - IE | English | Spring | 4.0 |
| MATe33 | Mathematics III | English | Fall | 6.0 |
| BIEe20 | Mathematics III - IE | English | Fall | 4.0 |
| BIEe38 | Mathematics IV - IE | English | Fall | 4.0 |
| BIEe26 | Measurements and Instrumentation I | English | Fall | 4.0 |
| BIEe32 | Measurements and Instrumentation II | English | Spring | 4.0 |
| EEAe26 | Measurements in communications and computer engineering | English | Spring | 5.0 |
| EEAe26 | Measurements in information and communication technologies | English | Spring | 4.0 |
| BIEe44 | Measurements Systems | English | Fall | 4.0 |
| MECe24 | Mechanical Systems | English | Fall | 4.0 |
| BIEe04 | Mechanics I - IE | English | Fall | 4.0 |
| BIEe12 | Mechanics II - IE | English | Spring | 3.0 |
| MECe01 | Mechanics Part I | English | Spring | 7.0 |
| MECe02 | Mechanics Part II | English | Fall | 7.0 |

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|---|---|---|---|---|
| BCSCe19 | Metaheuristics | English | Fall | 4.0 |
| AMN03 | Microeconomic | — | — | 7.0 |
| BTC17.1 | Microwave engineering | English | Spring | 7.0 |
| MTC01 | Mobile and wireless communications | — | Fall, Spring | 4.0 |
| — | Mobile network and services | English | Spring | 4.0 |
| BTC09 | Modeling of telecommunications processes and systems | English | Fall | 4.0 |
| MEECOe06 | Modeling the Spread of Pollutants | English | Fall | 4.0 |
| MTC11.2 | Multidimensionnal signal processing | English | Spring | 3.0 |
| MTC13.2 | Multimedia retrieval | English | Spring | 3.0 |
| MTC03 | Multimedia technologies and applications | — | Fall, Spring | 4.0 |
| BCSCe23 | Multimodal Systems | English | Spring | 4.0 |
| MTC13.5 | Network design | English | Spring | 3.0 |
| MTC12.6 | Network monitoring system for IP networks | English | Spring | 3.0 |
| MEECOe02 | Noise Pollution – Vibrations, Infrared and Ultrasound | English | Fall | 4.0 |
| MEECOe05 | Non-ionizing Radiation and Industrial Electromagnetic Pollution | English | Fall | 4.0 |
| BCSCe04 | Operating Systems | English | Fall | 5.0 |
| BIEe34 | Operations Research | English | Spring | 4.0 |
| MTC13.3 | Optical wireless communications | English | Spring | 3.0 |
| BCSCe15 | Parallel Programming | English | Fall | 5.0 |
| BISAIe30 | Pattern Recognition | English | Spring | 4.0 |
| SPR01 | Physical Education and Sport | English, Български | Fall | 1.0 |
| PHYe03 | Physics | English | Fall | 6.0 |
| BIEe02 | Physics I | English | Fall | 5.0 |
| BIEe11 | Physics II | English | Spring | 4.0 |
| CCEe03 | Platform-independent programming languages | English | Fall | 7.0 |
| PRS01 | Practicum | English, Български | Fall, Spring | 2.0 |
| PRCe01 | Practicum in Communication and Computer Engineering | English | Spring | 2.0 |

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|---|---|---|---|---|
| PRCe02 | Practicum in communications and computer engineering | English | Spring | ? |
| BIEe30 | Principles of Mechanical Engineering Design | English | Spring | 4.0 |
| BIEe36 | Principles of Mechanical Engineering Design - project | English | Spring | 1.0 |
| BIEe43 | Production Operation Management I | English | Fall | 4.0 |
| BIEe49 | Production Operation Management II | English | Spring | 4.0 |
| BCSCe20.1 | Programmable Logic Systems | English | Fall | 5.0 |
| BCSCe11 | Programming Frameworks | English | Spring | 5.0 |
| BCSCe051 | Programming Languages | English | Fall | 5.0 |
| BCSCe25.2 | Programming of Embedded Systems | English | Spring | 4.0 |
| BCSCe16 | Programming Technologies for Secure Code | English | Fall | 5.0 |
| BTC25.1 | Project management in ICT | English | Fall | 2.0 |
| BIEe54 | Quality Control | English | Fall | 5.0 |
| BTC12 | Radiocommunications | English | Spring | 5.0 |
| MEECOe04 | Renewable Energy Sources | English | Fall | 4.0 |
| BTC13 | Satellite communications | English | Fall | 4.0 |
| MTC04.5 | Secure architectures and protocols for network communications | English | Fall, Spring | 4.0 |
| EEAe25 | Semiconductor devices | English | Fall | 6.0 |
| BMEHSe09 | Sensors and Actuators | English | Spring | 5.0 |
| CCEe06 | Signals and systems | English | Spring | 5.0 |
| MTC13.4 | Software defined and cognitive wireless technologies | English | Spring | 3.0 |
| BCSCe06 | Software Design and Software Testing | English | Fall | 5.0 |
| BCSCe20.2 | Software patterns | English | Fall | 5.0 |
| SPRe03 | Sport | English | Fall | 1.0 |
| MTC14.5 | Statistical methods for machine learning | English | Spring | 3.0 |
| BIEe21 | Strength of Materials - IE | English | Fall | 5.0 |
| MEECOe03 | Sustainable Development and Environmental Legislation | English | Fall | 3.0 |
| CCEe04 | Synthesis and analysis of algorithms | English | Fall | 6.0 |

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|---|---|---|---|---|
| BIEe56 | Systems Modelling and Simulation | English | Fall | 4.0 |
| BTCEe04 | Telecommunication networks | English | Fall | 5.0 |
| FaBCSCe02 | The Global society and technologies | English | Spring | 3.0 |
| MECe06 | Theory of Mechanisms and Machines | English | Spring | 6.0 |
| BIEe47 | Thermodynamics and Heat | English | Spring | 5.0 |
| ENR01 | Thermodynamics and Heat Transfer | English | Spring | 5.0 |
| MTC11.7 | User centric access network | English | Spring | 3.0 |
| MTC12.1 | Virtual and augmented reality technologies | English | Spring | 3.0 |
| BCSCe25.3 | Virtual Reality | English | Spring | 4.0 |
| BCSCe17 | Web Programming Fundamentals | English | Fall | 5.0 |
| MTC06.4 | Wireless access in resource constrained networks | English | Fall, Spring | 4.0 |
| MTC12.4 | Wireless positionning and location | English | Spring | 3.0 |
| | **Total** | | | **716.0** |