



LEGANES CAMPUS-ENGINEERING STUDIES (2013/14)

* IMPORTANT: Please note that it is possible that not all the courses will be offered. It will depend on the demand.

Subjects	Study Program	ECTS Credits	Year	Semester
Calculus I	Bachelor Degree in Aerospace Engineering	6	1º	1st
Computer Programming	Bachelor Degree in Aerospace Engineering	6	1º	1st
Linear Algebra	Bachelor Degree in Aerospace Engineering	6	1º	1st
Physics I	Bachelor Degree in Aerospace Engineering	6	1º	1st
Writing and Communication Skills	Bachelor Degree in Aerospace Engineering	3	1º	1st
Information Skills	Bachelor Degree in Aerospace Engineering	3	1º	1st
Advanced Mathematics	Bachelor Degree in Aerospace Engineering	6	2º	1st
Aerospace Materials I	Bachelor Degree in Aerospace Engineering	6	2º	1st
Introduction to Fluid Mechanics	Bachelor Degree in Aerospace Engineering	6	2º	1st
Introduction to Management	Bachelor Degree in Aerospace Engineering	6	2º	1st
Introduction to Mechanics of Flight	Bachelor Degree in Aerospace Engineering	6	2º	1st
Aerodynamics	Bachelor Degree in Aerospace Engineering	6	3º	1st
Aerospace Propulsion	Bachelor Degree in Aerospace Engineering	6	3º	1st
Aerospace Structures	Bachelor Degree in Aerospace Engineering	6	3º	1st
Circuits and Electronics	Bachelor Degree in Aerospace Engineering	6	3º	1st
Advanced Aerodynamics	Bachelor Degree in Aerospace Engineering	6	4º	1st
Advanced Mechanics of Flight	Bachelor Degree in Aerospace Engineering	6	4º	1st
Aerospace Design II	Bachelor Degree in Aerospace Engineering	6	4º	1st
Aeroelasticity	Bachelor Degree in Aerospace Engineering	3	4º	1st
Aircraft Systems	Bachelor Degree in Aerospace Engineering	3	4º	1st
Financial Management	Bachelor Degree in Aerospace Engineering	3	4º	1st
Onboard Systems Design	Bachelor Degree in Aerospace Engineering	3	4º	1st
Aerospace Design II	Bachelor Degree in Aerospace Engineering	6	4º	1st
Aircraft Systems	Bachelor Degree in Aerospace Engineering	3	4º	1st
Combustion	Bachelor Degree in Aerospace Engineering	3	4º	1st
Financial Management	Bachelor Degree in Aerospace Engineering	3	4º	1st



Propulsion Systems	Bachelor Degree in Aerospace Engineering	6	4º	1st
Rocket Motors	Bachelor Degree in Aerospace Engineering	3	4º	1st
Turbomachinery Design	Bachelor Degree in Aerospace Engineering	6	4º	1st
Linear Algebra	Bachelor Degree in Audiovisual System Engineering	6	1º	1st
Calculus I	Bachelor Degree in Audiovisual System Engineering	6	1º	1st
Physics	Bachelor Degree in Audiovisual System Engineering	6	1º	1st
Programming	Bachelor Degree in Audiovisual System Engineering	6	1º	1st
Information Skills	Bachelor Degree in Audiovisual System Engineering	3	1º	1st
Writing and Communication Skills	Bachelor Degree in Audiovisual System Engineering	3	1º	1st
Advanced Mathematics	Bachelor Degree in Audiovisual System Engineering	6	2º	1st
Access Networks and Shared Media	Bachelor Degree in Audiovisual System Engineering	6	2º	1st
Systems Architecture	Bachelor Degree in Audiovisual System Engineering	6	2º	1st
Electronic Components and Circuits	Bachelor Degree in Audiovisual System Engineering	6	2º	1st
Linear Systems	Bachelor Degree in Audiovisual System Engineering	6	2º	1st
Electronic systems	Bachelor Degree in Audiovisual System Engineering	6	3º	1st
Modern theory of detection and estimation	Bachelor Degree in Audiovisual System Engineering	6	3º	1st
Calculus I	Bachelor Degree in Biomedical Engineering	6	1º	1st
Chemistry	Bachelor Degree in Biomedical Engineering	6	1º	1st
Computer Programming	Bachelor Degree in Biomedical Engineering	6	1º	1st
Introduction to Bio-Engineering	Bachelor Degree in Biomedical Engineering	6	1º	1st
Linear Algebra	Bachelor Degree in Biomedical Engineering	6	1º	1st
Biochemistry	Bachelor Degree in Biomedical Engineering	6	2º	1st
Biomechanics of continuum media I (solids)	Bachelor Degree in Biomedical Engineering	6	2º	1st
Differential Equations	Bachelor Degree in Biomedical Engineering	6	2º	1st
Physics III	Bachelor Degree in Biomedical Engineering	6	2º	1st
Statistics	Bachelor Degree in Biomedical Engineering	6	2º	1st
Anatomy and Physiology I	Bachelor Degree in Biomedical Engineering	6	3º	1st
Control engineering	Bachelor Degree in Biomedical Engineering	3	3º	1st
Measuring Instrumentation	Bachelor Degree in Biomedical Engineering	6	3º	1st
Robotics	Bachelor Degree in Biomedical Engineering	3	3º	1st
Systems and Signals	Bachelor Degree in Biomedical Engineering	6	3º	1st
Transport Phenomena in Biomedicine	Bachelor Degree in Biomedical Engineering	6	3º	1st
Bioinformatics	Bachelor Degree in Biomedical Engineering	6	4º	1st



Introduction to Biomedical Imaging	Bachelor Degree in Biomedical Engineering	6	4º	1st
Medical Instrumentation and Devices	Bachelor Degree in Biomedical Engineering	6	4º	1st
Cell Culture and Biotechnology for Tissue Engineering	Bachelor Degree in Biomedical Engineering	6	4º	1st
Introduction to Medical Imaging	Bachelor Degree in Biomedical Engineering	6	4º	1st
Surgical Tools and Techniques	Bachelor Degree in Biomedical Engineering	6	4º	1st
Cell Culture and Biotechnology for Tissue Engineering	Bachelor Degree in Biomedical Engineering	6	4º	1st
Linear Algebra	Bachelor Degree in Communication System Engineering	6	1º	1st
Calculus I	Bachelor Degree in Communication System Engineering	6	1º	1st
Physics	Bachelor Degree in Communication System Engineering	6	1º	1st
Programming	Bachelor Degree in Communication System Engineering	6	1º	1st
Information Skills	Bachelor Degree in Communication System Engineering	3	1º	1st
Writing and Communication Skills	Bachelor Degree in Communication System Engineering	3	1º	1st
Access Networks and Shared Media	Bachelor Degree in Communication System Engineering	6	2º	1st
Systems Architecture	Bachelor Degree in Communication System Engineering	6	2º	1st
Electronic Components and Circuits	Bachelor Degree in Communication System Engineering	6	2º	1st
Linear Systems	Bachelor Degree in Communication System Engineering	6	2º	1st
Digital Communications	Bachelor Degree in Communication System Engineering	6	3º	1st
Electronic systems	Bachelor Degree in Communication System Engineering	6	3º	1st
Modern theory of detection and estimation	Bachelor Degree in Communication System Engineering	6	3º	1st
Linear Algebra	Bachelor Degree in Electrical Engineering	6	1º	1st
Calculus	Bachelor Degree in Electrical Engineering	6	1º	1st
Physics I	Bachelor Degree in Electrical Engineering	6	1º	1st
Programming	Bachelor Degree in Electrical Engineering	6	1º	1st
Information skills	Bachelor Degree in Electrical Engineering	3	1º	1st
Writing and Communication Skills	Bachelor Degree in Electrical Engineering	3	1º	1st
Industrial Automation	Bachelor Degree in Electrical Engineering	6	2º	1st
Thermal Engineering	Bachelor Degree in Electrical Engineering	6	2º	1st
Electrical Power Engineering Fundamentals	Bachelor Degree in Electrical Engineering	6	2º	1st
Mechanics of Structures	Bachelor Degree in Electrical Engineering	6	2º	1st
Machine Mechanics	Bachelor Degree in Electrical Engineering	6	2º	1st
Control Engineering	Bachelor Degree in Electrical Engineering	6	3º	1st
Calculus I	Bachelor Degree in Energy Engineering	6	1º	1st
Linear Algebra	Bachelor Degree in Energy Engineering	6	1º	1st



Physics I	Bachelor Degree in Energy Engineering	6	1º	1st
Programming	Bachelor Degree in Energy Engineering	6	1º	1st
Information Skills	Bachelor Degree in Energy Engineering	3	1º	1st
Writing and Communication Skills	Bachelor Degree in Energy Engineering	3	1º	1st
Linear Algebra	Bachelor Degree in Industrial Electronics and Automatic	6	1º	1st
Calculus	Bachelor Degree in Industrial Electronics and Automatic	6	1º	1st
Physics I	Bachelor Degree in Industrial Electronics and Automatic	6	1º	1st
Programming	Bachelor Degree in Industrial Electronics and Automatic	6	1º	1st
Information skills	Bachelor Degree in Industrial Electronics and Automatic	6	1º	1st
Writing and Communication Skills	Bachelor Degree in Industrial Electronics and Automatic	6	1º	1st
Industrial Automation	Bachelor Degree in Industrial Electronics and Automatic	6	2º	1st
Electrical Power Engineering Fundamentals	Bachelor Degree in Industrial Electronics and Automatic	6	2º	1st
Thermal Engineering	Bachelor Degree in Industrial Electronics and Automatic	6	2º	1st
Mechanics of Structures	Bachelor Degree in Industrial Electronics and Automatic	6	2º	1st
Machine Mechanics	Bachelor Degree in Industrial Electronics and Automatic	6	2º	1st
Analog Electronics I	Bachelor Degree in Industrial Electronics and Automatic	6	3º	1st
Digital Electronics	Bachelor Degree in Industrial Electronics and Automatic	6	3º	1st
Computing Systems	Bachelor Degree in Industrial Electronics and Automatic	6	3º	1st
Control Engineering	Bachelor Degree in Industrial Electronics and Automatic	6	3º	1st
Industrial Automation II	Bachelor Degree in Industrial Electronics and Automatic	6	4º	1st
Electronic system design	Bachelor Degree in Industrial Electronics and Automatic	6	4º	1st
Manufacturing and construction of electronic equipment	Bachelor Degree in Industrial Electronics and Automatic	6	4º	1st
Microprocessors	Bachelor Degree in Industrial Electronics and Automatic	6	4º	1st
Optoelectronics	Bachelor Degree in Industrial Electronics and Automatic	6	4º	1st
Linear Algebra	Bachelor Degree in Industrial Technology Engineering	6	1º	1st
Calculus I	Bachelor Degree in Industrial Technology Engineering	6	1º	1st
Physics I	Bachelor Degree in Industrial Technology Engineering	6	1º	1st
Chemical Basis of Engineering	Bachelor Degree in Industrial Technology Engineering	6	1º	1st
Information Skills	Bachelor Degree in Industrial Technology Engineering	3	1º	1st
Writing and Communication Skills	Bachelor Degree in Industrial Technology Engineering	3	1º	1st
Materials Science and Engineering	Bachelor Degree in Industrial Technology Engineering	6	2º	1st
Introduction to Engineering Management	Bachelor Degree in Industrial Technology Engineering	6	2º	1st
Engineering Fluid Mechanics	Bachelor Degree in Industrial Technology Engineering	6	2º	1st



<u>Machine Mechanics</u>	Bachelor Degree in Industrial Technology Engineering	6	2º	1st
<u>Production and Manufacturing Systems</u>	Bachelor Degree in Industrial Technology Engineering	3	2º	1st
<u>Environmental Technology</u>	Bachelor Degree in Industrial Technology Engineering	3	2º	1st
<u>Calculus III</u>	Bachelor Degree in Industrial Technology Engineering	6	3º	1st
<u>Linear Algebra</u>	Bachlor Degree in Informatics Engineering	6	1º	1st
<u>Calculus</u>	Bachlor Degree in Informatics Engineering	6	1º	1st
<u>Physics</u>	Bachlor Degree in Informatics Engineering	6	1º	1st
<u>Programming</u>	Bachlor Degree in Informatics Engineering	6	1º	1st
<u>Information Skills</u>	Bachlor Degree in Informatics Engineering	3	1º	1st
<u>Writing and Communication Skills</u>	Bachlor Degree in Informatics Engineering	3	1º	1st
<u>Applied Differential Calculus</u>	Bachlor Degree in Informatics Engineering	6	2º	1st
<u>Statistics</u>	Bachlor Degree in Informatics Engineering	6	2º	1st
<u>Computer Structure</u>	Bachlor Degree in Informatics Engineering	6	2º	1st
<u>Introduction to Engineering Management</u>	Bachlor Degree in Informatics Engineering	6	2º	1st
<u>Automata and Formal Language Theory</u>	Bachlor Degree in Informatics Engineering	6	2º	1st
<u>Software Engineering</u>	Bachlor Degree in Informatics Engineering	6	3º	1st
<u>User Interfaces</u>	Bachlor Degree in Informatics Engineering	6	3º	1st
<u>Computer Architecture</u>	Bachelor Degree in Informatics Engineering	6	3º	1st
<u>Heuristics and Optimization</u>	Bachelor Degree in Informatics Engineering	6	3º	1st
<u>Software Engineering</u>	Bachelor Degree in Informatics Engineering	6	3º	1st
<u>User Interfaces</u>	Bachelor Degree in Informatics Engineering	6	3º	1st
<u>Computer Networks</u>	Bachelor Degree in Informatics Engineering	6	3º	1st
<u>Multimedia</u>	Bachelor Degree in Informatics Engineering	6	4º	1st
<u>Real Time Systems</u>	Bachelor Degree in Informatics Engineering	6	4º	1st
<u>Computing Technologies for the Web</u>	Bachelor Degree in Informatics Engineering	6	4º	1st
<u>Computer Forensics</u>	Bachelor Degree in Informatics Engineering	6	4º	1st
<u>Software Engineering</u>	Bachelor Degree in Informatics Engineering	6	1º	1st
<u>Linear Algebra</u>	Bachelor Degree in Mechanical Engineering	6	1º	1st
<u>Calculus I</u>	Bachelor Degree in Mechanical Engineering	6	1º	1st
<u>Physics I</u>	Bachelor Degree in Mechanical Engineering	6	1º	1st
<u>Programming</u>	Bachelor Degree in Mechanical Engineering	6	1º	1st
<u>Information Skills</u>	Bachelor Degree in Mechanical Engineering	3	1º	1st
<u>Writing and Communication Skills</u>	Bachelor Degree in Mechanical Engineering	3	1º	1st



Industrial Automation I	Bachelor Degree in Mechanical Engineering	6	2º	1st
Materials Science and Engineering	Bachelor Degree in Mechanical Engineering	6	2º	1st
Electrical Power Engineering Fundamentals	Bachelor Degree in Mechanical Engineering	6	2º	1st
Thermal Engineering	Bachelor Degree in Mechanical Engineering	6	2º	1st
Machine Mechanics	Bachelor Degree in Mechanical Engineering	6	2º	1st
Machine Theory	Bachelor Degree in Mechanical Engineering	6	3º	1st
Vehicle Theory	Bachelor Degree in Mechanical Engineering	6	3º	1st
Linear Algebra	Bachelor Degree in Telecommunication Technology Eng	6	1º	1st
Calculus I	Bachelor Degree in Telecommunication Technology Eng	6	1º	1st
Physics	Bachelor Degree in Telecommunication Technology Eng	6	1º	1st
Programming	Bachelor Degree in Telecommunication Technology Eng	6	1º	1st
Information Skills	Bachelor Degree in Telecommunication Technology Eng	3	1º	1st
Writing and Communication Skills	Bachelor Degree in Telecommunication Technology Eng	3	1º	1st
Advanced Mathematics	Bachelor Degree in Telecommunication Technology Eng	6	2º	1st
Access Networks and Shared Media	Bachelor Degree in Telecommunication Technology Eng	6	2º	1st
Systems Architecture	Bachelor Degree in Telecommunication Technology Eng	6	2º	1st
Electronic Components and Circuits	Bachelor Degree in Telecommunication Technology Eng	6	2º	1st
Linear Systems	Bachelor Degree in Telecommunication Technology Eng	6	2º	1st
Digital Communications	Bachelor Degree in Telecommunication Technology Eng	6	3º	1st
Electronics Systems	Bachelor Degree in Telecommunication Technology Eng	6	3º	1st
Modern theory of detection and estimation	Bachelor Degree in Telecommunication Technology Eng	6	3º	1st
Algebra	Bachelor Degree in Telematics Engineering	6	1º	1st
Calculus I	Bachelor Degree in Telematics Engineering	6	1º	1st
Physics	Bachelor Degree in Telematics Engineering	6	1º	1st
Programming	Bachelor Degree in Telematics Engineering	6	1º	1st
Information Skills	Bachelor Degree in Telematics Engineering	3	1º	1st
Writing and Communication Skills	Bachelor Degree in Telematics Engineering	3	1º	1st
Advanced Mathematics	Bachelor Degree in Telematics Engineering	6	2º	1st
Access Networks and Shared Media	Bachelor Degree in Telematics Engineering	6	2º	1st
Systems Architecture	Bachelor Degree in Telematics Engineering	6	2º	1st
Electronic Components and Circuits	Bachelor Degree in Telematics Engineering	6	2º	1st
Linear Systems	Bachelor Degree in Telematics Engineering	6	2º	1st
Electronic systems	Bachelor Degree in Telematics Engineering	6	3º	1st



Modern theory of detection and estimation	Bachelor Degree in Telematics Engineering	6	3º	1st
Calculus II	Bachelor Degree in Aerospace Engineering	6	1º	2nd
Physics II	Bachelor Degree in Aerospace Engineering	6	1º	2nd
Chemistry	Bachelor Degree in Aerospace Engineering	6	1º	2nd
Engineering Graphics	Bachelor Degree in Aerospace Engineering	6	1º	2nd
Statistics	Bachelor Degree in Aerospace Engineering	6	1º	2nd
Aerospace Materials II	Bachelor Degree in Aerospace Engineering	6	2º	2nd
Fluid Mechanics	Bachelor Degree in Aerospace Engineering	6	1º	2nd
Introduction to structural analysis	Bachelor Degree in Aerospace Engineering	6	2º	2nd
Thermal Engineering	Bachelor Degree in Aerospace Engineering	6	2º	2nd
Languages: French	Bachelor Degree in Aerospace Engineering	6	2º	2nd
Languages: German	Bachelor Degree in Aerospace Engineering	6	2º	2nd
Aerial Navigation, Air Transport and Airports	Bachelor Degree in Aerospace Engineering	6	3º	2nd
Aerospace Design I	Bachelor Degree in Aerospace Engineering	6	3º	2nd
Control of Aerospace Systems	Bachelor Degree in Aerospace Engineering	6	3º	2nd
Mechanics of Flight	Bachelor Degree in Aerospace Engineering	6	3º	2nd
Stability and Integrity of Aerospace Structures	Bachelor Degree in Aerospace Engineering	6	3º	2nd
Aircraft Design	Bachelor Degree in Aerospace Engineering	6	4º/5º	2nd
Bachelor Thesis	Bachelor Degree in Aerospace Engineering	12	4º/5º	2nd
Helicopters and other Aircrafts	Bachelor Degree in Aerospace Engineering	6	4º/5º	2nd
Space Systems	Bachelor Degree in Aerospace Engineering	6	4º/5º	2nd
Professional Internships	Bachelor Degree in Aerospace Engineering	12	4º/5º	2nd
Calculus II	Bachelor Degree in Audiovisual Systems Engineering	6	1º	2nd
Digital Electronics	Bachelor Degree in Audiovisual Systems Engineering	6	1º	2nd
Systems and Circuits	Bachelor Degree in Audiovisual Systems Engineering	6	1º	2nd
Systems Programming	Bachelor Degree in Audiovisual Systems Engineering	6	1º	2nd
Statistics	Bachelor Degree in Audiovisual Systems Engineering	6	1º	2nd
Communication Theory	Bachelor Degree in Audiovisual Systems Engineering	6	2º	2nd
Linear Networks Analysis and Synthesis	Bachelor Degree in Audiovisual Systems Engineering	6	2º	2nd
Communications Networks and Services	Bachelor Degree in Audiovisual Systems Engineering	6	2º	2nd
Microprocessor Based Digital Systems	Bachelor Degree in Audiovisual Systems Engineering	6	2º	2nd
Multimedia Applications	Bachelor Degree in Audiovisual Systems Engineering	6	3º	2nd
Electroacoustic and Sound System	Bachelor Degree in Audiovisual Systems Engineering	6	3º	2nd



Statistical Methods in Electrical Engineering	Bachelor Degree in Audiovisual Systems Engineering	6	3º	2nd
Bachelor Thesis	Bachelor Degree in Audiovisual Systems Engineering	12	4º	2nd
Calculus II	Bachelor Degree in Biomedical Engineering	6	1º	2nd
Cell and Molecular Biology	Bachelor Degree in Biomedical Engineering	6	1º	2nd
Physics I	Bachelor Degree in Biomedical Engineering	6	1º	2nd
Physics II	Bachelor Degree in Biomedical Engineering	6	1º	2nd
Information Skills	Bachelor Degree in Biomedical Engineering	3	1º	2nd
Writing and Communication Skills	Bachelor Degree in Biomedical Engineering	3	1º	2nd
Biological Systems	Bachelor Degree in Biomedical Engineering	6	2º	2nd
Materials Science and Engineering	Bachelor Degree in Biomedical Engineering	6	2º	2nd
Electronic Technology in Biomedicine	Bachelor Degree in Biomedical Engineering	6	2º	2nd
Numerical Methods in Biomedicine	Bachelor Degree in Biomedical Engineering	6	2º	2nd
Biomechanics of continuum media II (fluids)	Bachelor Degree in Biomedical Engineering	6	2º	2nd
Anatomy and Physiology II	Bachelor Degree in Biomedical Engineering	6	3º	2nd
Fundamentals of Tissue Engineering and Regenerative Medicine	Bachelor Degree in Biomedical Engineering	6	3º	2nd
Image Processing and Reconstruction	Bachelor Degree in Biomedical Engineering	6	3º	2nd
Introduction to Biomaterials	Bachelor Degree in Biomedical Engineering	6	3º	2nd
Introduction to the Design of Medical Instrumentation	Bachelor Degree in Biomedical Engineering	6	3º	2nd
Bachelor Thesis	Bachelor Degree in Biomedical Engineering	12	4º	2nd
Bioethics	Bachelor Degree in Biomedical Engineering	3	4º	2nd
Intellectual Property Rights, Innovation and Management of Innovation	Bachelor Degree in Biomedical Engineering	3	4º	2nd
Instrumentation and Multimodality Imaging	Bachelor Degree in Biomedical Engineering	6	4º	2nd
Biomedical Microdevices	Bachelor Degree in Biomedical Engineering	6	4º	2nd
Informatics and Biotechnology to Support Tissue Engineering	Bachelor Degree in Biomedical Engineering	6	4º	2nd
Advance Topics in Medical Image	Bachelor Degree in Biomedical Engineering	6	4º	2nd
Biomedical Applications of Nanotechnology	Bachelor Degree in Biomedical Engineering	6	4º	2nd
Biomaterial Experimental Design	Bachelor Degree in Biomedical Engineering	6	4º	2nd
Calculus II	Bachelor Degree in Communication Systems Engineering	6	1º	2nd
Digital Electronics	Bachelor Degree in Communication Systems Engineering	6	1º	2nd
Systems and Circuits	Bachelor Degree in Communication Systems Engineering	6	1º	2nd
Systems Programming	Bachelor Degree in Communication Systems Engineering	6	1º	2nd
Statistics	Bachelor Degree in Communication Systems Engineering	6	1º	2nd
Linear Networks Analysis and Synthesis	Bachelor Degree in Communication Systems Engineering	6	2º	2nd



Communications Networks and Services	Bachelor Degree in Communication Systems Engineering	6	2º	2nd
Microprocessor Based Digital Systems	Bachelor Degree in Communication Systems Engineering	6	2º	2nd
Communication Theory	Bachelor Degree in Communication Systems Engineering	6	2º	2nd
Switching	Bachelor Degree in Communication Systems Engineering	6	3º	2nd
Devices and Optic Transmission Media	Bachelor Degree in Communication Systems Engineering	6	3º	2nd
Statistical Methods in Electrical Engineering	Bachelor Degree in Communication Systems Engineering	6	3º	2nd
Bachelor Thesis	Bachelor Degree in Communication Systems Engineering	12	4º	2nd
Engineering Graph	Bachelor Degree in Electrical Engineering	6	1º	2nd
Calculus II	Bachelor Degree in Electrical Engineering	6	1º	2nd
Physics II	Bachelor Degree in Electrical Engineering	6	1º	2nd
Chemical Basis of Engineering	Bachelor Degree in Electrical Engineering	6	1º	2nd
Statistics	Bachelor Degree in Electrical Engineering	3	1º	2nd
Engineering Fluid Mechanics	Bachelor Degree in Electrical Engineering	3	2º	2nd
Materials Science and Engineering	Bachelor Degree in Electrical Engineering	6	2º	2nd
Introduction to Engineering Management	Bachelor Degree in Electrical Engineering	6	2º	2nd
Electronics Engineering Fundamentals	Bachelor Degree in Electrical Engineering	6	2º	2nd
Production and Manufacturing Systems	Bachelor Degree in Electrical Engineering	3	2º	2nd
Environmental Technology	Bachelor Degree in Electrical Engineering	3	2º	2nd
Computer-aided Power System Modelling	Bachelor Degree in Electrical Engineering	6	3º	2nd
Power System Operation and Control	Bachelor Degree in Electrical Engineering	6	4º	2nd
Bachelor Thesis	Bachelor Degree in Electrical Engineering	12	4º	2nd
Calculus II	Bachelor Degree in Energy Engineering	6	1º	2nd
Chemical Fundaments of Engineering	Bachelor Degree in Energy Engineering	6	1º	2nd
Engineering Graphics	Bachelor Degree in Energy Engineering	6	1º	2nd
Physics II	Bachelor Degree in Energy Engineering	6	1º	2nd
Statistics	Bachelor Degree in Energy Engineering	6	1º	2nd
Electronics Engineering Fundamentals	Bachelor Degree in Energy Engineering	6	2º	2nd
Engineering Fluid Mechanics	Bachelor Degree in Energy Engineering	6	2º	2nd
Environmental Technology	Bachelor Degree in Energy Engineering	3	2º	2nd
Introduction to Engineering Management	Bachelor Degree in Energy Engineering	6	2º	2nd
Material Sciences and Engineering	Bachelor Degree in Energy Engineering	6	2º	2nd
Production and Manufacturing Systems	Bachelor Degree in Energy Engineering	3	2º	2nd
Aero-thermochemical Systems	Bachelor Degree in Energy Engineering	6	3º	2nd



Principles of Economics: Markets and Financial Failures	Bachelor Degree in Energy Engineering	6	3º	2nd
Solar Energy	Bachelor Degree in Energy Engineering	6	3º	2nd
Transmission and Distribution of Energy	Bachelor Degree in Energy Engineering	6	3º	2nd
Wind Energy	Bachelor Degree in Energy Engineering	6	3º	2nd
Energy or Math Elective Courses	Bachelor Degree in Energy Engineering	18	4º	2nd
Bachelor Thesis	Bachelor Degree in Energy Engineering	12	4º	2nd
Professional Internships	Bachelor Degree in Energy Engineering	18	4º	2nd
Calculus II	Bachelor Degree in Industrial Electronics and Automatic	6	1º	2nd
Chemical Basis of Engineering	Bachelor Degree in Industrial Electronics and Automatic	6	1º	2nd
Engineering Graph	Bachelor Degree in Industrial Electronics and Automatic	6	1º	2nd
Physics II	Bachelor Degree in Industrial Electronics and Automatic	6	1º	2nd
Statistics	Bachelor Degree in Industrial Electronics and Automatic	6	1º	2nd
Engineering Fluid Mechanics	Bachelor Degree in Industrial Electronics and Automatic	6	2º	2nd
Introduction to Engineering Management	Bachelor Degree in Industrial Electronics and Automatic	6	2º	2nd
Materials Science and Engineering	Bachelor Degree in Industrial Electronics and Automatic	6	2º	2nd
Electronics Engineering Fundamentals	Bachelor Degree in Industrial Electronics and Automatic	6	2º	2nd
Production and Manufacturing Systems	Bachelor Degree in Industrial Electronics and Automatic	3	2º	2nd
Environmental Technology	Bachelor Degree in Industrial Electronics and Automatic	3	2º	2nd
Electronics Instrumentation I	Bachelor Degree in Industrial Electronics and Automatic	6	3º	2nd
Power Electronics	Bachelor Degree in Industrial Electronics and Automatic	6	3º	2nd
Control Engineering II	Bachelor Degree in Industrial Electronics and Automatic	6	3º	2nd
Calculus II	Bachelor Degree in Industrial Engineering Technologies	6	1º	2nd
Engineering Graphics	Bachelor Degree in Industrial Engineering Technologies	6	1º	2nd
Physics II	Bachelor Degree in Industrial Engineering Technologies	6	1º	2nd
Programming	Bachelor Degree in Industrial Engineering Technologies	6	1º	2nd
Statistics	Bachelor Degree in Industrial Engineering Technologies	6	1º	2nd
Industrial Automation	Bachelor Degree in Industrial Engineering Technologies	6	2º	2nd
Electrical Engineering Fundamentals	Bachelor Degree in Industrial Engineering Technologies	6	2º	2nd
Electronics Engineering Fundamentals	Bachelor Degree in Industrial Engineering Technologies	6	2º	2nd
Thermal Engineering	Bachelor Degree in Industrial Engineering Technologies	6	2º	2nd
Mechanics of Structures	Bachelor Degree in Industrial Engineering Technologies	6	2º	2nd
Control Engineering	Bachelor Degree in Industrial Engineering Technologies	6	3º	2nd
Algorithms and Data Structures	Bachelor Degree in Informatics Engineering	6	1º	2nd



Logic	Bachelor Degree in Informatics Engineering	6	1º	2nd
Discrete Mathematics	Bachelor Degree in Informatics Engineering	6	1º	2nd
Principles of Computer Engineering	Bachelor Degree in Informatics Engineering	6	1º	2nd
Computer Technology	Bachelor Degree in Informatics Engineering	6	1º	2nd
Cryptography and Computer Security	Bachelor Degree in Informatics Engineering	6	2º	2nd
Files and Data bases	Bachelor Degree in Informatics Engineering	6	2º	2nd
Artificial Intelligence	Bachelor Degree in Informatics Engineering	6	2º	2nd
Principles of Software Development	Bachelor Degree in Informatics Engineering	6	2º	2nd
Operating Systems	Bachelor Degree in Informatics Engineering	6	2º	2nd
Software Development Projects Management	Bachelor Degree in Informatics Engineering	6	3º	2nd
Operating Systems Design	Bachelor Degree in Informatics Engineering	6	3º	2nd
Security Engineering	Bachelor Degree in Informatics Engineering	6	3º	2nd
Computer Organization	Bachelor Degree in Informatics Engineering	6	3º	2nd
Distributed Systems	Bachelor Degree in Informatics Engineering	6	3º	2nd
Computer Graphics	Bachelor Degree in Informatics Engineering	12	4º	2nd
Mobile Devices Security	Bachelor Degree in Informatics Engineering	6	4º	2nd
Bachelor Thesis	Bachelor Degree in Informatics Engineering	6	4º	2nd
Calculus II	Bachelor Degree in Mechanical Engineering	6	1º	2nd
Chemical Basis of Engineering	Bachelor Degree in Mechanical Engineering	6	1º	2nd
Engineering Graphics	Bachelor Degree in Mechanical Engineering	6	1º	2nd
Physics II	Bachelor Degree in Mechanical Engineering	6	1º	2nd
Statistics	Bachelor Degree in Mechanical Engineering	6	1º	2nd
Mechanics of Structures	Bachelor Degree in Mechanical Engineering	6	2º	2nd
Engineering Fluid Mechanics	Bachelor Degree in Mechanical Engineering	6	2º	2nd
Introduction to Engineering Management	Bachelor Degree in Mechanical Engineering	6	2º	2nd
Electronics Engineering Fundamentals	Bachelor Degree in Mechanical Engineering	6	2º	2nd
Production and Manufacturing Systems	Bachelor Degree in Mechanical Engineering	6	2º	2nd
Environmental Technology	Bachelor Degree in Mechanical Engineering	6	2º	2nd
Mechanical Technology	Bachelor Degree in Mechanical Engineering	6	3º	2nd
Strength of Materials	Bachelor Degree in Mechanical Engineering	6	3º	2nd
Materials Technology	Bachelor Degree in Mechanical Engineering	3	3º	2nd
Calculus II	Bachelor Degree in Telecommunications Engineering Te	6	1º	2nd
Digital Electronics	Bachelor Degree in Telecommunications Engineering Te	6	1º	2nd



Systems and Circuits	Bachelor Degree in Telecommunications Engineering Te	6	1º	2nd
Systems Programming	Bachelor Degree in Telecommunications Engineering Te	6	1º	2nd
Statistics I	Bachelor Degree in Telecommunications Engineering Te	6	1º	2nd
Linear Networks Analysis and Synthesis	Bachelor Degree in Telecommunications Engineering Te	6	2º	2nd
Electromagnetic Field Theory	Bachelor Degree in Telecommunications Engineering Te	6	2º	2nd
Communications Networks and Services	Bachelor Degree in Telecommunications Engineering Te	6	2º	2nd
Microprocessor Based Digital Systems	Bachelor Degree in Telecommunications Engineering Te	6	2º	2nd
Communication Theory	Bachelor Degree in Telecommunications Engineering Te	6	2º	2nd
Integrated Circuits and Microelectronic	Bachelor Degree in Telecommunications Engineering Te	6	3º	2nd
Introduction to Switching	Bachelor Degree in Telecommunications Engineering Te	6	3º	2nd
Statistical Methods for Telecommunications	Bachelor Degree in Telecommunications Engineering Te	6	3º	2nd
Bachelor Thesis	Bachelor Degree in Telecommunications Engineering Te	12	4º	2nd
Calculus II	Bachelor Degree in Telematics Engineering	6	1º	2nd
Digital Electronics	Bachelor Degree in Telematics Engineering	6	1º	2nd
Systems and Circuits	Bachelor Degree in Telematics Engineering	6	1º	2nd
Systems Programming	Bachelor Degree in Telematics Engineering	6	1º	2nd
Statistics	Bachelor Degree in Telematics Engineering	6	1º	2nd
Electromagnetic Field Theory	Bachelor Degree in Telematics Engineering	6	2º	2nd
Communications Networks and Services	Bachelor Degree in Telematics Engineering	6	2º	2nd
Microprocessor Based Digital Systems	Bachelor Degree in Telematics Engineering	6	2º	2nd
Communication Theory	Bachelor Degree in Telematics Engineering	6	2º	2nd
Theory of Networks	Bachelor Degree in Telematics Engineering	6	2º	2nd
Switching	Bachelor Degree in Telematics Engineering	6	3º	2nd
Devices and Optic Transmission Media	Bachelor Degree in Telematics Engineering	6	3º	2nd
Statistical Methods in Electrical Engineering	Bachelor Degree in Telematics Engineering	6	3º	2nd
Bachelor Thesis	Bachelor Degree in Telematics Engineering	12	4º	2nd