Engineering BSc - 180 ECTS programs - emphasis on preparation for further studies at MSc/PhD level

	Financial Engineering	Engineering Management	Biomedical Engineering	Mechatronics Engineering	Mechanical Engineering
1.semester	T-101-STA1 Calculus I	T-101-STA1 Calculus I	T-101-STA1 Calculus I	T-101-STA1 Calculus I	T-101-STA1 Calculus I
	T-102-EDL1 Physics I	T-102-EDL1 Physics I	T-102-EDL1 Physics I	T-102-EDL1 Physics I	T-102-EDL1 Physics I
	T-204-EFNA Chemistry	T-204-EFNA Chemistry	T-204-EFNA Chemistry	T-204-EFNA Chemistry	T-204-EFNA Chemistry
	AT FOR 1003 Programming in Matlab	AT FOR 1003 Programming in Matlab	AT FOR 1003 Programming in Matlab	AT FOR 1003 Programming in Matlab	AT FOR 1003 Programming in Matlab
	Introduction to Engineering Design / CAD	Introduction to Engineering Design / CAD	Introduction to Engineering Design / CAD	Introduction to Engineering Design / CAD	Introduction to Engineering Design / CAD
2.semester	T-201-STA2 Calculus II	T-201-STA2 Calculus II	T-201-STA2 Calculus II	T-201-STA2 Calculus II	T-201-STA2 Calculus II
	T-202-EDL2 Physics II	T-202-EDL2 Physics II	T-202-EDL2 Physics II	T-202-EDL2 Physics II	T-202-EDL2 Physics II
	T-211-LINA Linear Algebra	T-211-LINA Linear Algebra	T-211-LINA Linear Algebra	T-211-LINA Linear Algebra	T-211-LINA Linear Algebra
	T-101-INNF Introduction to Fin. Engineering	T-106-REVE Engineering Management	T-106-LIFV Molecular and Cell Biology	T-106-BURD Statics and Mechanics	T-106-BURD Statics and Mechanics
	Entrepreneurship and New Ventures	Entrepreneurship and New Ventures	Entrepreneurship and New Ventures	Entrepreneurship and New Ventures	Entrepreneurship and New Ventures
3.semester	T-301-MATH Mathematics III	T-301-MATH Mathematics III	T-301-MATH Mathematics III	T-301-MATH Mathematics III	T-301-MATH Mathematics III
	T-303-VERD Securities	T-512-FRBI Prod. and Inventory Management	T-206-LIFE Physiology I	T-534-AFLF Classical Dynamics	T-534-AFLF Classical Dynamics
	T-208-FOR2 Programming in C++	T-208-FOR2 Programming in C++	T-208-FOR2 Programming in C++	T-208-FOR2 Programming in C++	T-208-FOR2 Programming in C++
	T-302-TOLF Statistics I	T-302-TOLF Statistics I	T-306-RAS1 Analog Circuit Analysis	T-306-RAS1 Analog Circuit Analysis	T-306-RAS1 Analog Circuit Analysis
	T-316-GAVI Data Processing	T-316-GAVI Data Processing	T-316-STAF Digital Electronics	T-316-RAS2 Analog Circuit Design	T-316-LABB Mechanics Lab
4.semester	T-406-TOLU Numerical Analysis	T-406-TOLU Numerical Analysis	T-406-TOLU Numerical Analysis	T-406-TOLU Numerical Analysis	T-406-TOLU Numerical Analysis
	T-402-TOLF Statisics II	T-402-TOLF Statisics II	T-509-RAFT Electronics	T-509-RAFT Electronics	T-507-VARM Thermodynamics
	T-403-ADGE Operation Research	T-403-ADGE Operation Research	T-306-MERK Signal Processing	T-306-MERK Signal Processing	T-407-EFNI Materials Science
	Elective - 12 week	Elective - 12 week	T-106-BURD Statics and Mechanics	Elective - 12 week	T-401-VELH Machine Elements
	T-305-PRMA Project Management	T-305-PRMA Project Management	T-305-PRMA Project Management	T-305-PRMA Project Management	T-305-PRMA Project Management
5.semester	T-105-HAGF Economics	T-105-HAGF Economics	T-501-REGL Feedback Control Systems	T-501-REGL Feedback Control Systems	T-501-REGL Feedback Control Systems
	T-104-FJAR Corporate Finance	T-104-FJAR Corporate Finance	T-302-TOLF Statistics I	T-302-TOLF Statistics I	T-302-TOLF Statistics I
	T-503-AFLE Derivatives	Elective - 12 week	T-307-HEIL Physics III	T-411-MECH Mechatronics I	T-536-RENN Fluid Dynamics
	**Engineering course	**Engineering course	Elective - 12 week	Elective - 12 week	Elective - 12 week
	Elective - 3 week	Elective - 3 week	Elective - 3 week	Elective - 3 week	Elective - 3 week
6.semester	T-606-PROB Probability and Stoch. Processes	T-650-SUST Sustainability	T-306-LIFE Physiology II	T-407-EFNI Materials Science	T-863-HEAT Heat Transfer
	T-602-RISK Risk Management	**Engineering course	T-609-LAEK Medical Imaging	T-401-VELH Machine Elements	T-606-LABB Thermo and Hydraulics Lab
	**Engineering course	Elective - 12 week	T-510-MALI Instruments and Vital Signs	*Mechatronics II or *Thermodynamics	Elective - 12 week
	Elective - 12 week	Elective - 12 week	Elective - 12 week	Elective - 12 week	Elective - 12 week
	Elective - 3 week	T-502-HERM Simulation	Elective - 3 week	Elective - 3 week	Elective - 3 week

*** Students in their 6th semester in Mechatronic Engineering must take either T-535-MECH Mechatronics II or T-507-VARM Thermodynamics**

**** Students in Engineering Management and Financial Engineering must take two of the following 10 courses: T-106-BURD Statics and Mechanics of Materials; T-507-VARM Thermodynamics; T-306-RAS1 Analog Circuit Analysis; T-407-EFNI Material Science; T-534-AFLF Classical Dynamics; T-536-RENN Fluid Dynamics; T-501-REGL Feedback Control Systems; T-401-VELH Machince Elements; T-509-RAFT Electronics; T-863-HEAT Heat Transfer**