



NATIONAL TECHNICAL UNIVERSITY OF ATHENS

## **School of Electrical and Computer Engineering**

Undergraduate Curriculum 2018-2019



## CORE COURSES

### 1<sup>st</sup> SEMESTER

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>Mandatory</b>				
9.2.3131.1	Mathematical Analysis I (Functions of one variable)	5	0	6
9.2.3132.1	Linear Algebra	4	0	5
9.4.3049.1	Physics I (Mechanics)	5	0	6
3.4.3020.1	Computer Programming	3	2	6
3.5.3353.1	Logic Design Of Digital Systems	4	0	5
<b>Mandatory Courses by selection *</b>				
9.1.3027.1	History of Scientific and Philosophical Ideas	2	0	2
9.1.3028.1	Sociology of Science and Technology	2	0	2
9.1.3048.1	Philosophy	2	0	2
<b>Mandatory Courses by selection †</b>				
0.3037.1	English Language	2	0	2
0.3038.1	French Language	2	0	2
<b>Electives</b>				
0.3277.1	Historic Musicology and Theory of Music	2	0	2

**Total: 6 courses**

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\* Choose one course

† Choose one course until the 4<sup>th</sup> semester

## 2<sup>nd</sup> SEMESTER

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>Mandatory</b>				
9.2.3137.2	Mathematical Analysis II (Functions of several variables and Vector Analysis)	5	0	5
9.2.3374.2	Differential Equations	6	0	6
3.2.3185.2	Linear Circuits Analysis	5	0	5
3.4.3138.2	Programming Techniques	3	2	6
3.1.3375.2	Structure and Electrical Properties of Materials	3	1	5
<b>Mandatory Courses by selection *</b>				
9.3.3083.2	Mechanics (Kinematics and Dynamics of Rigid Bodies)	3	0	3
9.3.3376.2	Engineering Mechanics	3	0	3
<b>Mandatory Courses by selection †</b>				
0.3039.2	English Language	2	0	2
0.3088.2	French Language	2	0	2

**Total: 6 courses**

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\* Choose one course

† Choose one course until the 4<sup>th</sup> semester

### 3<sup>rd</sup> SEMESTER

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>Mandatory</b>				
9.2.3282.3	Probability Theory and Statistics	5	0	6
3.3.3173.3	Signals and Systems	4	0	5
3.5.3386.3	Introductory Lab of Electronics and Telecommunications	2	2	5
3.4.3355.3	Foundations of Computer Science	4	0	5
3.7.3387.3	Electric Measurements	3	2	6
<b>Mandatory Courses by selection *</b>				
9.1.3079.3	Political Economy	3	0	3
3.7.3371.3	Organization and Management	3	0	3
<b>Mandatory Courses by selection †</b>				
0.3089.3	English Language	2	0	2
0.3090.3	French Language	2	0	2

**Total: 6 courses**

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\* Choose one course

† Choose one course until the 4<sup>th</sup> semester

## 4<sup>th</sup> SEMESTER

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>Mandatory</b>				
9.4.3102.4	Wave and Quantum Physics	4	1	6
3.1.3340.4	Electromagnetic Fields A	4	0	5
3.5.3069.4	Electronics I	4	0	5
3.5.3286.4	Stochastic Systems and Communications	4	0	5
3.5.3012.4	Communication Networks	2	2	5
<b>Mandatory Courses by selection *</b>				
9.2.3390.4	Complex Analysis	4	0	4
9.2.3008.4	Numerical Analysis	4	0	4
3.4.3209.4	Discrete Mathematics	4	0	4
3.6.3243.4	Reliability and Quality Control of Engineering Systems	4	0	4
<b>Mandatory Courses by selection †</b>				
0.3040.4	English Language	2	0	2
0.3041.4	French Language	2	0	2

**Total: 7 courses**

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\* Choose one course

† Choose one course until the 4<sup>th</sup> semester

## 5<sup>th</sup> SEMESTER

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>Mandatory</b>				
3.1.3342.5	Electromagnetic Fields B	4	0	5
3.2.3389.5	Introduction to Telecommunications	3	1	5
3.6.3388.5	Industrial Electronics	2	2	5
3.4.3357.5	Computer Architecture	4	0	5
3.3.3177.5	Introduction to Automatic Control	4	0	5
3.6.3285.5	Introduction to Electric Energy Systems	4	1	5

**Total: 6 courses**

## 6<sup>th</sup> SEMESTER

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>Mandatory</b>				
3.3.3068.6	Network and Circuit Theory	4	0	5

## 7<sup>th</sup> SEMESTER

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>Mandatory</b>				
3.7.3035.7	Electrical Design	2	2	5

# FLOW PROGRAM

## FLOW Y: COMPUTER SYSTEMS

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.4.3136.6	<b>Operating Systems</b>	2	2	6
3.4.3046.6	<b>Microprocessor Systems</b>	4	0	6
3.5.3236.6	Digital Systems Laboratory	1	2	4
<b>7<sup>th</sup> Semester</b>				
3.4.3213.7	<b>Microprocessors Laboratory</b>	1	3	6
3.4.3362.7	<b>Human-Computer Interaction</b>	2	2	6
3.4.3237.7	Operating Systems Laboratory	0	3	4
3.5.3297.7	Multimedia Technology	1	2	4
<b>8<sup>th</sup> Semester</b>				
3.4.3352.8	<b>Advanced Topics in Computer Architecture</b>	3	1	6
3.4.3207.8	Computer System Performance	3	0	4
3.4.3328.8	Digital VLSI Systems	2	2	4
3.4.3330.8	Image and Video Analysis and Technology	2	2	4
<b>9<sup>th</sup> Semester</b>				
3.4.3257.9	Parallel Processing Systems	1	2	4
3.4.3319.9	Neural Networks and Intelligent Systems	2	2	4
3.4.3361.9	Embedded System Design	2	1	4
3.4.3377.9	Distributed Systems	2	1	4

**Total: 15 courses**

### **Mandatory courses**

Full Flow = 3.4.3136.6, 3.4.3046.6, 3.4.3352.8 and 3.4.3213.7 or 3.4.3362.7

Half Flow = 3.4.3136.6, 3.4.3046.6, 3.4.3352.8



## FLOW L: COMPUTER SOFTWARE

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.4.3061.6	<b>Programming Languages I</b>	3	1	6
3.4.3123.6	<b>Databases</b>	3	1	6
3.4.3165.6	Computer Graphics	2	2	4
<b>7<sup>th</sup> Semester</b>				
3.4.3105.7	<b>Algorithms and Complexity</b>	4	1	6
3.4.3205.7	<b>Software Engineering</b>	2	2	6
3.4.3287.7	Artificial Intelligence	3	0	4
<b>8<sup>th</sup> Semester</b>				
3.4.3135.8	Advanced Algorithms	3	0	4
3.4.3186.8	Compilers	2	2	4
3.4.3183.8	Knowledge Systems and Technologies	3	0	4
3.4.3254.8	Computability and Complexity	3	0	4
3.5.3337.8	Internet Programming	2	2	4
<b>9<sup>th</sup> Semester</b>				
3.4.3189.9	Advanced Topics in Database Systems	3	0	4
3.4.3320.9	Programming Languages II	3	0	4
3.4.3321.9	Analysis and Design of Information Systems	3	0	4
3.4.3327.9	Cryptography	4	0	4

**Total: 15 courses**

### **Mandatory courses**

Full Flow = 3.4.3061.6, 3.4.3123.6, 3.4.3105.7, 3.4.3205.7

Half Flow = 3.4.3061.6, 3.4.3123.6, 3.4.3105.7

## FLOW H: ELECTRONICS, CIRCUITS, MATERIALS

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.5.3222.6	<b>Electronics II</b>	3	1	6
3.1.3288.6	Semiconductor Devices	2	1	4
<b>7<sup>th</sup> Semester</b>				
3.5.3016.7	<b>Electronics III</b>	3	1	6
3.5.3256.7	<b>Introduction to VLSI System Design</b>	2	2	6
3.5.3203.7	Microelectronics: Fabrication of Integrated Circuits	2	1	4
3.3.3181.7	Linear Circuit Design	3	0	4
<b>8<sup>th</sup> Semester</b>				
3.5.3310.8	<b>Design of Analog Electronic Systems</b>	1	3	6
3.5.3258.8	Design of Analog Microelectronic Circuits	3	1	4
3.1.3311.8	Advanced-Technology Materials and Devices	3	0	4
3.5.3345.8	Sensors and Microsystems Technology	2	2	4
<b>9<sup>th</sup> Semester</b>				
3.2.3077.9	Physics, Technology and Applications of Photovoltaics	3	1	4
3.2.3275.9	Telecommunication Electronics	2	1	4
3.5.3322.9	Electronic Packaging Techniques	2	2	4
9.4.3378.9	Microsystems and Nanotechnology ( <i>co-teaching with the School of AMPS</i> )	2	2	4

**Total: 14 courses**

### **Mandatory courses**

Full Flow = 3.5.3222.6, 3.5.3016.7, 3.5.3256.7, 3.5.3310.8

Half Flow = 3.5.3222.6, 3.5.3016.7, 3.5.3310.8

## FLOW D: TELECOMMUNICATION SYSTEMS AND COMPUTER NETWORKS

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.5.3299.6	<b>Digital Communications I</b>	2	2	6
3.5.3248.6	<b>Queuing Systems</b>	3	1	6
<b>7<sup>th</sup> Semester</b>				
3.5.3298.7	<b>Computer Networks</b>	2	2	6
3.5.3393.7	Digital Communications II	3	1	4
3.5.3060.7	Telephony	3	1	4
<b>8<sup>th</sup> Semester</b>				
3.5.3346.8	<b>Internet Applications</b>	2	2	6
3.5.3278.8	Computer Networks Laboratory	0	3	4
3.5.3370.8	Computer Network Security	2	1	4
3.5.3329.8	Multimedia Communications	2	1	4
3.5.3312.8	Mobile and Personal Communication Networks	3	0	4
<b>9<sup>th</sup> Semester</b>				
3.5.3251.9	Network Management – Intelligent Networks	3	1	4
3.5.3125.9	Information Theory	3	0	4
3.2.3323.9	Broadband Networks	3	0	4
3.5.3367.9	Optical Communication Networks	3	0	4
3.5.3379.9	Social Network Analysis	2	1	4

**Total: 15 courses**

### **Mandatory courses**

Full Flow = 3.5.3393.6, 3.5.3248.6, 3.5.3298.7, 3.5.3346.8

Half Flow = 3.5.3248.6, 3.5.3298.7, 3.5.3346.8 for Computer Science major

Half Flow = 3.5.3393.6, 3.5.3298.7, 3.5.3346.8 for other majors

## FLOW T: ELECTROMAGNETIC WAVES AND TELECOMMUNICATIONS

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.2.3338.6	<b>Modulation and Transmission Systems</b>	4	0	6
3.2.3057.6	<b>Microwaves</b>	3	2	6
3.1.3296.6	Applied and Computational Electromagnetics	4	0	4
3.1.3356.6	Optical Science and Engineering	3	0	4
<b>7<sup>th</sup> Semester</b>				
3.2.3300.7	<b>Antennas</b>	3	2	6
3.1.3301.7	Special Topics in Electromagnetics	3	0	4
3.1.3303.7	Propagation of electromagnetic waves in plasmas	4	0	4
3.2.3335.7	Photonic Technology in Telecommunications	3	0	4
3.2.3347.7	Computational Techniques for Information Transmission Systems	2	1	4
<b>8<sup>th</sup> Semester</b>				
3.2.3058.8	<b>Wireless Links and Electromagnetic Wave Propagation</b>	4	2	6
3.2.3156.8	Fiber Optics Telecommunications	3	0	4
3.2.3366.8	Fiber-optic Transmission Systems and Networks	2	1	4
3.2.3360.8	Electromagnetic Compatibility	3	0	4
<b>9<sup>th</sup> Semester</b>				
3.2.3169.9	Radar Systems and Remote Sensing	3	0	4
3.2.3195.9	Satellite Communications	3	0	4
3.2.3324.9	Mobile Communication Systems	3	0	4

**Total: 16 courses**

**Mandatory courses**

Full Flow = 3.2.3338.6, 3.2.3057.6, 3.3300.7, 3.2.3058.8

Half Flow = choice of three: 3.2.3338.6., 3.2.3057.6, 3.2.3300.7, 3.2.3058.8

## FLOW S: SIGNALS, AUTOMATIC CONTROL AND ROBOTICS

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.3.3171.6	<b>Control Systems Design</b>	4	1	6
3.3.3149.6	<b>Digital Signal Processing</b>	3	1	6
<b>7<sup>th</sup> Semester</b>				
3.3.3304.7	<b>Advanced Methods for Control Systems</b>	3	2	6
3.3.3305.7	<b>Robotics I: Analysis - Control - Laboratory</b>	3	2	6
3.3.3372.7	Speech and Natural Language Processing	4	0	4
<b>8<sup>th</sup> Semester</b>				
3.3.3333.8	<b>Computer Vision</b>	3	1	4
3.3.3175.8	Optimization Techniques and Control Applications	4	0	4
3.7.3219.8	Multidimensional Systems	3	0	4
3.3.3176.8	Nonlinear Control systems and Applications	3	0	6
3.3.3348.8	Robotics II: Intelligent Robotic Systems	3	0	4
<b>9<sup>th</sup> Semester</b>				
3.3.3172.9	Linear Stochastic Control	3	0	4
3.3.3179.9	Optimal Control and Applications	3	0	4
3.3.3279.9	Neuro-Fuzzy Control and Applications	3	0	4
3.3.3208.9	Pattern Recognition	3	1	4

**Total: 14 courses**

### **Mandatory courses**

Full Flow = 3.3.3171.6, 3.3.3149.6, 3.3.3305.7 and 3.3.3304.7 or 3.3.3333.8

Half Flow = 3.3.3171.6, 3.3.3149.6, 3.3.3305.7

## FLOW Z: ENERGY CONVERSION, HIGH VOLTAGES AND INDUSTRY APPLICATIONS

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.6.3290.6	<b>Electric Machines I</b>	3	2	6
3.6.3127.6	<b>Power Electronics I</b>	3	2	6
3.6.3103.6	Lighting Technology	2	2	4
<b>7<sup>th</sup> Semester</b>				
3.6.3101.7	<b>High Voltage Generation</b>	4	1	6
3.6.3307.7	<b>Electric Machines II</b>	3	3	6
3.6.3261.7	Power Electronics II	3	2	4
3.2.3344.7	Electrical Insulating Materials	2	1	4
<b>8<sup>th</sup> Semester</b>				
3.6.3047.8	<b>High Voltage Measurements and Applications</b>	4	1	6
3.7.3215.8	Electromagnetic Propulsion and Levitation	2	1	4
3.7.3164.8	Electromechanical Installations in Industry and Buildings	4	0	4
3.6.3216.8	Transient Performance of Electric Machines	2	1	4
3.7.3252.8	Control of Electric Drives	2	2	4
<b>9<sup>th</sup> Semester</b>				
3.6.3202.9	Protection of Electrical Installations Against Overvoltages	3	0	4
3.6.3128.9	Design and Construction of Electric Machines	2	1	4
3.7.3339.9	Special Electric Motors	2	2	4
3.7.3354.9	Quality Control of Industrial Installations' Equipment and Materials	2	1	4

**Total: 16 courses**

**Mandatory courses**

Full Flow = 3.6.3290.6, 3.6.3127.6, 3.6.3101.7 and 3.6.3307.7 or 3.6.3047.8

Half Flow = 3.6.3290.6, 3.6.3101.7, 3.6.3127.6

## FLOW E: ELECTRIC POWER SYSTEMS

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.6.3074.6	<b>Economic Analysis of Power Systems</b>	4	0	6
3.6.3246.6	<b>Electric Power Generation</b>	4	0	6
3.6.3380.6	Applied Thermodynamics of Pure Substances ( <i>co-teaching with the School of Mechanical Engineering</i> )	4	0	4
<b>7<sup>th</sup> Semester</b>				
3.6.3308.7	<b>Power System Analysis (Steady State)</b>	3	1	6
3.6.3349.7	Flexible AC Transmission Systems	3	0	4
<b>8<sup>th</sup> Semester</b>				
3.6.3313.8	<b>Power System Analysis (Asymmetrical and Transient State)</b>	3	1	6
3.6.3214.8	<b>Electricity Distribution Networks</b>	3	1	4
3.6.3182.8	Energy Economics	3	0	4
3.6.3314.8	Energy Control Centers	3	1	4
3.6.3363.8	Supervision and Management of Energy Systems	2	2	4
<b>9<sup>th</sup> Semester</b>				
3.6.3227.9	Power System Control and Stability	2	1	4
3.6.3235.9	Reliability Analysis of Power Systems	3	1	4
3.6.3224.9	Power System Protection	3	1	4
3.6.3244.9	Renewable Energy Sources	3	1	4
3.7.3325.9	Energy Management and Environmental Policy	2	2	4

**Total: 15 courses**

### **Mandatory courses**

Full Flow = 3.6.3074.6, 3.6.3246.6, 3.6.3308.7, 3.6.3313.8

Half Flow = 3.6.3074.6, 3.6.3246.6, 3.6.3308.7

## FLOW O: MANAGEMENT AND DECISION SUPPORT SYSTEMS

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.6.3292.6	<b>Business Microeconomics</b>	3	1	6
3.7.3196.6	<b>Management and Management Information Systems</b>	3	1	6
<b>7<sup>th</sup> Semester</b>				
3.7.3306.7	<b>Decision Support Systems</b>	3	1	6
3.6.3269.7	Mathematical Programming Models	4	0	4
3.7.3341.7	Production and Operations Management	3	0	4
<b>8<sup>th</sup> Semester</b>				
3.7.3260.8	<b>Forecasting Techniques</b>	4	0	6
3.7.3264.8	Financial Management Systems	2	1	4
3.7.3365.8	Management of the Digital Enterprise	2	1	4
3.7.3381.8	Multiple Criteria Decision Making	3	0	4
<b>9<sup>th</sup> Semester</b>				
3.7.3255.9	Project Management	2	2	4
3.7.3334.9	<b>Management Game</b>	0	4	6

**Total: 11 courses**

### **Mandatory courses**

Full Flow = choice of four: 3.6.3292.6, 3.7.3196.6, 3.7.3306.7, 3.7.3260.8, 3.7.3334.9

Half Flow = choice of three: 3.6.3292.6, 3.7.3196.6, 3.7.3306.7, 3.7.3260.8



## FLOW I: BIOENGINEERING

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
3.1.3259.6	<b>Introduction to Biophotonics and Cellular Engineering</b>	2	2	6
3.2.3392.6	<b>Introduction to Biomedical Engineering</b>	3	1	6
3.2.3336.6	<b>Biomedical Technology Laboratory</b>	1	3	6
<b>7<sup>th</sup> Semester</b>				
3.1.3350.7	<b>Measurements and Controls in Biomedical Engineering</b>	1	3	6
3.1.3267.7	Principles of Biomedical Instrumentation	3	0	4
3.2.3331.7	Biomedical Signal Analysis and Processing	3	0	4
<b>8<sup>th</sup> Semester</b>				
3.2.3272.8	Medical Imaging and Image Processing	3	0	4
3.2.3382.8	m-health and e-health Technologies	3	0	4
<b>9<sup>th</sup> Semester</b>				
3.7.3245.9	Installation, Administration and Quality Control of Medical and Hospital Systems	4	0	4
3.2.3326.9	<b>Physiological Systems Modeling, Simulation and Control</b>	2	2	6

**Total: 10 courses**

### **Mandatory courses**

Full Flow = 3.1.3259.6 or 3.2.3392.6 and 3.2.3336.6, 3.1.3350.7, 3.2.3326.9

Half Flow = 3.1.3259.6 or 3.2.3392.6 and 3.2.3336.6, 3.1.3350.7

**FLOW F: PHYSICS**

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
9.4.3158.6	Solid State Physics <i>(co-teaching with the School of AMPS)</i>	4	0	4
9.4.3121.6	Physics and Technology of Lasers <i>(co-teaching with the School of AMPS)</i>	3	1	4
<b>7<sup>th</sup> Semester</b>				
9.3.3265.7	Analytical Mechanics <i>(co-teaching with the School of AMPS)</i>	4	0	4
9.4.3302.7	Optoelectronics <i>(co-teaching with the School of AMPS)</i>	2	2	4
9.4.3078.7	Quantum Mechanics II <i>(co-teaching with the School of AMPS)</i>	4	0	4
9.4.3051.7	Nuclear Physics and Elementary Particles	2	2	4
<b>8<sup>th</sup> Semester</b>				
3.1.3364.8	Physics and Technology of the Controlled Thermonuclear Fusion	3	1	4
<b>9<sup>th</sup> Semester</b>				
9.4.3234.9	New Technological Materials <i>(co-teaching with the School of AMPS)</i>	3	1	4
9.4.3395.9	Multi-Body Physics and Quantum Computers <i>(co-teaching with the School of AMPS)</i>	4	0	4

**Total: 9 courses**

## FLOW M: MATHEMATICS

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
9.2.3293.6	Numerical Methods for Differential Equations ( <i>co-teaching with the School of AMPS</i> )	4	0	4
3.4.3229.6	Mathematical Logic	4	0	4
9.2.3373.6	Stochastic Processes ( <i>co-teaching with the School of AMPS</i> )	4	0	4
9.2.3396.6	Matrix Analysis and Applications ( <i>co-teaching with the School of AMPS</i> )	4	0	4
<b>7<sup>th</sup> Semester</b>				
9.2.3397.7	Measure Theory and Applications ( <i>co-teaching with the School of AMPS</i> )	4	0	4
9.2.3384.7	Algebra and Applications ( <i>co-teaching with the School of AMPS</i> )	4	0	4
<b>8<sup>th</sup> Semester</b>				
9.2.3294.8	Graph Theory ( <i>co-teaching with the School of AMPS</i> )	4	0	4
9.2.3317.8	Applications of Logic in Computer Science ( <i>co-teaching with the School of AMPS</i> )	4	0	4
9.2.3383.8	Number Theory ( <i>co-teaching with the School of AMPS</i> )	4	0	4

**Total: 9 courses**

**MISCELLANEOUS \***

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>6<sup>th</sup> Semester</b>				
9.4.3318.6	Ionizing Radiation Physics and Applications in Medicine and Biology <i>(co-teaching with the School of AMPS)</i>	3	1	4
2.1.3161.6	Technological Economics <i>(co-teaching with the School of Mechanical Engineering)</i>	4	0	4
<b>8<sup>th</sup> Semester</b>				
3.6.3358.8	Environment and Development	3	0	4
3.7.3394.8	Internship			6
<b>9<sup>th</sup> Semester</b>				
9.1.3062.9	Elements of Law and Technical Legislation <i>(co-teaching with the School of Mechanical Engineering)</i>	4	0	4

**Total: 9 courses**

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\* Only one course may be selected, excluding 3.7.3394.8

## HUMANITIES \*

Code	Course	Teaching hours		Credits
		Lectures	Lab	
<b>8<sup>th</sup> Semester</b>				
9.1.3147.8	Special Topics in Philosophy	2	0	2
9.1.3146.8	Special Topics in Sociology	2	0	2
9.1.3368.8	Information Technologies and Society	2	0	2
4.1.3385.8	Urban Sociology ( <i>co-teaching with the School of Architecture</i> )	3	0	2

**Total: 4 courses**

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\* Only one course may be selected