



University of Patras

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City of Patras / Patrai

- Middle & West of Greece (port to Italy, in Peloponnese).
- 3rd major city in Greece.
 1. Athens (4,500,000 inhabitants)
 2. Thessaloniki (500,000 inhabitants)
 3. Patras (160,000 inhabitants +)

Patras - Athens: 2,5 hours by car (220 km)

Patras - Thessaloniki: 6,5 hours by bus

Patras - Ancient Olympia: 1,5 hours by bus.

Patras - Delphi: about 2,0 hours by car.

(New Archeological Museum, Rio-Antirio Bridge, Saint Andrews church, Achaia Claus wine factory, nearby seashores, new port, Patras Carnival in February).



Patras University Structure

- School of Engineering (1966/1967)
 - 5 years of study
- School of Physics and Mathematics (1969)
 - 4 years of studies
- School of Medicine (1976)
 - 6 years of studies
- School of Arts and Letters
 - 4 years of studies
- School of Economics
 - 4 years of studies



Personnel at the University of Patras

- Undergraduate students: 22,000
- Postgraduate students: 3,000

- Faculty: 750
- Teaching staff: 230
- Administrative staff: 400



Rank of Professors

- Professor
 - Associate Professor
 - Assistant Professor
 - Lecturer
-
- All with PhD



School Structure

- Departments (**offer Degrees or Diplomas**)
 - Divisions
 - Laboratories (optional)
- 22 Departments
- Students enter to a Department after National (Panhellenic) exams.
- The number of students in each Department is decided by the Ministry.
- Administration of the Department: by Council and General Assembly
 - Head of Department
 - Deputy Head of Department
 - Head of Division
 - 30 Faculty Members
 - 1 Representative of Students, Postgraduate Students as well as the technical & administrative staff.



School of Engineering

- Department of Electrical & Computer Eng.
- Department of Mechanical Eng.
- Department of Chemical Eng.
- Department of Civil Eng.
- Department of Computer Engineering & Informatics.
- Department of Architecture.



ECE Department

DIVISION OF:

- Telecommunications & Information Technology
- Computers & Electronics
- Electric Power Systems
- Automatic Control Systems



ECE Department (contin.)

- Faculty of 50 members
(Professors of all ranks)
- ~1500 Students
 - 240 in the first year (entering after National (Panhellenic) exams) * 5 years = 1200
(+ 300 in delay = 1500)
- Diploma/Master of Electrical & Computer Engineering
 - the specialization (Division) is written on the Diploma.



ECE Department (contin.)

- Current Curriculum – 5 years of studies
- 3 years of core program (obligatory courses)
- 2 years of specialization program (optional courses, i.e. select 6 out of 10)



ECE Department (contin.)

example of course presentation

- **Course title**
- **Course code**
- **Type of course**
- **Level of course**
- **Year of study**
- **Semester**
- **ECTS credits**
- **Name of lecturer(s)**
- **Learning outcomes**
- **Competences**
- **Prerequisites**
- **Course contents**
- **Recommended reading**
- **Teaching and learning methods**
- **Assessment and grading methods**
- **Language of instruction**



MASTER COURSES OF ECE DEPT. IN ICT

Telecommunications & Information Technology			
Semester 1		Semester 2	
22A701	Transmission Lines and Waveguides	22A003	Digital Communications II
22A702	Information Theory	22A004	Advanced Topics in Information Theory
22A703	Electroacoustics I	22A706	Antennae Theory
22A707	Artificial Intelligence	22A806	Teletraffic Theory
22A708	Physics of Photovoltaic Cells	22A808	Electroacoustics II
22A709	Dig. Telecom Exchanges	22A809	Photovoltaic Cell Technologies
22A710	Digital Communications I	22A810	Artificial Intelligence II
22A802	Computer Communication Networks	22A811	Architectures & Protocols Communication Networks II
22A805	Broadcasting Systems	22A903	Pattern Recognition II
22A807	Pattern Recognition I		



Telecommunications & Information Technology

Semester 1		Semester 2	
22A002	Multimedia Communications	22A001	Optical Communications
22A009	Embedded communicational systems	22A005	Network Management
22A901	Microwaves	22A006	Natural Language Technology
22A906	Speech Technology	22A007	Computational Electromagnetics
22A908	Access Communications	22A008	Digital Audio Technology
22A910	Broadband Networks (without Lab)	22A010	Web Services
		22A904	Satellite and Mobile Communications



Electronics & Computers

Semester 1		Semester 2	
22Γ703	Microcomputers and Microsystems I	22Γ701	Algorithms and Data Structures
22Γ704	Advanced Analogue Integrated Circuits and Arrays	22Γ702	Programming / Advanced Techniques
22Γ705	VLSI Design I	22Γ801	Computer Architecture
22Γ706	Digital Signal Processing I	22Γ803	Microcomputers and Microsystems II
22Γ707	Object Oriented Technology	22Γ804	VLSI Design II
22Γ802	Operating Systems	22Γ805	Digital Signal Processing II
		22Γ806	Digital Signal Processing II (without Lab)
		22Γ901	Data and Knowledge Bases



Electronics & Computers

Semester 1		Semester 2	
22Γ005	Special Topics on Internet-based Software Systems	22Γ002	Digital Systems Testing & Control
22Γ902	Analysis & Design of Software Systems	22Γ003	Digital Image Processing
22Γ903	Advanced Microprocessors	22Γ004	Human-Machine Interaction and Design of Interactive Systems
22Γ904	Intergrated Systems Design - VLSI	22Γ006	Distributed Real-Time Embedded Systems
22Γ905	Telecommunication Electronics	22Γ007	Technology of Advanced Digital Circuits and Systems
22Γ906	Advanced Computer Systems	22Γ008	Network architecture
22Γ910	Computer and Network Security	22Γ909	Optoelectronics Applications
22Γ911	Parallel / Distributed Processing & Applications		



Administration of the University

- Rectorate and Senate
 - Rector
 - Vice-Rector of Research and Technology
 - Vice-Rector of Academic Affairs
 - Vice-Rector of Financial Affairs and Administration Staff
 - Chairman of each School.
 - Head of each Department.
 - Representatives of Students



CONCLUSION

- NEW LAW (Frame law) for Universities

Changes have already been introduced!



University of Patras



Thank you!