

AAE



PLAN OF STUDIES STRUCTURE IN HOURLY LAYOUT

h\sem.	I	II	III
28			
27			
26			
25			
24	Optical Fibres and Optocommunication 20101 E	DSP Controllers Architecture 20200 E	Master Thesis  <b>ETEA00220</b>  12h
23	<b>ETEA00004</b>	<b>ETEA00105</b>	
22	Microcontrollers Programming 20020 E	Hardware Programing  20200 E	
21	<b>ETEA00009</b>	<b>ETEA00201</b>	
20	Computer Network and Systems 10200	Lasers and Applications 20100	
19	<b>ETEA00008</b>	<b>ETEA00106</b>	
18	Numerical Algorithms 20200	Analog Peripherals of Digital Systems 10210	Optional courses  <b>ETEA17001BK</b> 6h
17	<b>ETEA00010</b>	<b>ETEA00202</b>	
16	Numerical methods in differential equations 20200	Machine Learning Methods 10110	
15	<b>MAT001642</b>	<b>ETEA00203</b>	
14	Social Com.00001 <b>FLEA00002</b>	RF Circuits Design 10210	New Approaches in Electronics and Photonics 20000 <b>ETEA00206</b>
13	Foreign language B2+ 00100	<b>ETEA00204</b>	Entrepreneurship 10001 <b>ZMZ000387</b>
12	Foreign language (or Polish) A1 03000	Specialization seminar 00002 <b>ETEA00205</b>	Diploma seminar 00002 <b>ETEA17109</b>
11			
10			
9			
8			
7			
6			
5			
4			
3			
2			
1			

Optional Courses

<b>ETEA00113</b>	Real Time Operating Systems	20200	4 ECTS
<b>ETEA00115</b>	Optoelectronics and Photonics	21100	4 ECTS
<b>ETEA00116</b>	Optics and Nonlinear Optics	11000	2 ECTS
<b>ETEA00117</b>	Antenna Technique	10001	2 ECTS
<b>ETEA00118</b>	Colourimetry and Photometry	10001	2 ECTS
<b>ETEA00123</b>	IoT Modules	10010	2 ECTS
<b>ETEA00120</b>	Wireless Data Communication Systems	10001	2 ECTS
<b>ETEA00121</b>	Terahertz Technique and Technology	10100	2 ECTS
<b>ETEA00122</b>	Electrotechnics	20100	3 ECTS
<b>ETEA00124</b>	Advanced Objective Programming	20200	4 ECTS

Chairman of programme board  
of specialization

.....  
 prof. dr hab. inż. Krzysztof Abramski

Chairman of programme board  
of main field of study

.....  
 prof. dr hab. inż. Andrzej B. Dobrucki

Dean

.....  
 prof. dr hab. inż. Czesław Smutnicki

Faculty: **Electronics**  
 Education level: **2nd level, full-time**  
 Main field of study: **Electronics**  
 Specialisation: **Advanced Applied Electronics**

Uchwała z dnia: 16.05.2019  
 Obowiązuje od: 01.10.2019

**AAE**

**PLAN OF STUDIES STRUCTURE IN ECTS LAYOUT**

ECTS\ sem.	I	II	III
30	Optical Fibres and Optocommunication <b>6</b>	DSP Controllers Architecture <b>6</b>	Final Project  <b>17</b>
29			
28			
27			
26			
25			
24	Microcontrollers Programming <b>6</b>	Hardware Programming <b>6</b>	
23			
22			
21			
20			
19			
18	Computer Network and Systems <b>3</b>	Laser and Applications <b>3</b>	
17			
16			
15	Numerical Algorithms  <b>5</b>	Analog Peripherals of Digital Systems  <b>5</b>	Optional courses  <b>6</b>
14			
13			
12			
11			
10	Numerical methods in differential equations  <b>5</b>	Machine Learning Methods <b>3</b>	
9			
8		RF Circuits Designe  <b>5</b>	
7			
6			
5	Social Commun. <b>2</b>	New A.in E. and P. <b>1</b>	
4	Entrepreneurship <b>3</b>		
3		English B2+ <b>1</b>	
2	Foreign language (or Polish) A1 <b>2</b>	Specialization seminar <b>2</b>	Diploma seminar <b>3</b>
1			

**Optional Courses**

Real Time Operating Systems	4 ECTS
Optoelectronics and Photonics	4 ECTS
Optics and Nonlinear Optics	2 ECTS
Antenna Technique	2 ECTS
Colourimetry and Photometry	2 ECTS
IoT Modules	2 ECTS
Wireless Data Communication Systems	2 ECTS
Terahertz Technique and Technology	2 ECTS
Electrotechnics	3 ECTS
Advanced Objective Programming	4 ECTS

**Chairman of programme board of specialization**

.....  
 prof. dr hab. inż. Krzysztof Abramski

**Chairman of programme board of main field of study**

.....  
 prof. dr hab. inż. Andrzej B. Dobrucki

**Dean**

.....  
 prof. dr hab. inż. Czesław Smutnicki