

Courses Obligatory Courses	Suggested semester (h/week)						Credit	Exam	Responsible Instructor
	1	2	3	4	5	6			
An insight into Hungary	2						3	Oral	Trócsányi András
Economics		2					3	Oral	Jónás-Berki Mónika
Introductory mathematics practical course	2						3	Mark	Márton Zsuzsanna
Computer technology lecture I	2						3	Oral	Almási Gábor
Informatics practical course	2						3	Mark	Pálfalvi László
Calculus lecture I		2					3	Oral	Szlachányi Kornél
Calculus practical course I		2					3	Mark	Szlachányi Kornél
Linear algebra lecture	2						3	Oral	Frigyik B. András
Linear algebra practical course	2						3	Mark	Frigyik B. András
<b>2 Credits must be to completed:</b>									
Meteorology lecture					2		2	Oral	Geresdi István
Terahertz spectroscopy lecture						2	2	Oral	Buzády Andrea
Fundamentals in Chemistry lecture					2		2	Oral	Horváth Attila
Software packages practical course	2						3	Mark	Makkai Géza
Introductory mechanics lecture	2						3	Oral	Pálfalvi László
Introductory mechanics practical course	2						3	Mark	Pálfalvi László
Mathematical methods in physics practical course I	2						3	Mark	Gál Tamás
Mathematical methods in physics practical course II		2					3	Mark	Gál Tamás
Thermodynamics lecture		2					3	Oral	Pálfalvi László
Thermodynamics practical course		2					3	Mark	Pálfalvi László
Waves and optics lecture		2					3	Oral	Erostyák János
Waves and optics practical course		2					3	Mark	Erostyák János

Electricity and magnetism lecture			2				3	Oral	Almási Gábor
Electricity and magnetism practical course			2				3	Mark	Almási Gábor
Modern physics I lecture			2				3	Oral	Korpa Csaba
Modern physics II lecture				2			3	Oral	Korpa Csaba
Electronics lecture					2		3	Oral	Sánta Imre
Physics and electronics laboratory I			4				4	Mark	Buzády Andrea
Classical mechanics lecture I				2			3	Oral	Szlachányi Kornél
Classical mechanics practical course I				2			3	Mark	Szlachányi Kornél
Electrodynamics lecture					2		3	Oral	Korpa Csaba
Electrodynamics practical course					2		3	Mark	Korpa Csaba
<b>Physicist Specialisation Obligatory Courses</b>									
Electronics practical course					1		2	Mark	Sánta Imre
LabView basics practical course				2			3	Mark	Márton Zsuzsanna
Physics and electronics laboratory II				4			4	Mark	Buzády Andrea
Physics and electronics laboratory III					4		4	Mark	Buzády Andrea
Astrophysics lecture					2		2	Oral	Korpa Csaba
Lasers and their applications lecture				2			2	Oral	Hebling János
Metrology lecture			2				2	Oral	Sánta Imre
Metrology practical course			1				2	Mark	Sánta Imre
Calculus lecture II			2				2	Oral	Gál Tamás
Calculus practical course II			2				3	Mark	Gál Tamás
Discrete mathematics lecture					2		2	Oral	Szabó Sándor
Discrete mathematics practical course					2		3	Mark	Szabó Sándor

Numerical methods lecture				2			2	Oral	Ádám Péter
Numerical methods practical course				2			3	Mark	Ádám Péter
Mathematical methods in physics practical course III			2				3	Mark	Gál Tamás
Computer technology lecture II			2				2	Oral	Almási Gábor
Computer programming practical course I		2					3	Mark	Makkai Géza
Computer programming practical course II				2			3	Mark	Makkai Géza
Quantum mechanics lecture						3	3	Oral	Gál Tamás
Quantum mechanics practical course						3	3	Mark	Gál Tamás
<b>4 Credits should be to completed:</b>									
Programming in MATLAB laboratory				4			4	Mark	Makkai Géza
Computer programming laboratory					4		4	Mark	Makkai Géza
CAD laboratory			4				4	Mark	Makkai Géza
<b>Elective Courses (16 Credits should be to completed)</b>									
The history of physics						2	2	Oral	Buzády Andrea
Meteorology					2		2	Oral	Geresdi István
Modern optics						2	3	Oral	Erostyák János
Optical measurement methods lecture					2		3	Oral	Erostyák János
Optical measurement methods laboratory						2	3	Mark	Sánta Imre
Computer technology practical course III				2			3	Mark	Almási Gábor
Computer programming practical course III						4	4	Mark	Makkai Géza
Operating systems lecture I				2			3	Oral	Zaválnij Bogdán
Computer networks lecture					2		2	Oral	Pauler Gábor
Database design, implementation and management lecture						2	3	Oral	Koniorczyk Mátyás

LabVIEW II					2		3	Mark	Márton Zsuzsanna
<b>Thesis</b>					15 cons.	30 cons.	10		
<b>Free Elective Courses</b>							10		
<b>Professional Practice - 6 weeks</b>							0		
<b>Sum of credits</b>							180		