

INDUSTRIAL ECONOMICS

ENGINEERING

DEGREE TYPE UPON GRADUATION

Bachelor's Degree

DURATION

4 years (8 semesters)

TEACHING LANGUAGE

Romanian

ECTS POINTS

240

PROGRAMME DESCRIPTION

The *IEE* study program offers the graduates, economists engineers, a double training: technical and economic, training them as specialists able of designing, organizing and leading industrial production systems and of generating the set of relationships that connect these systems to the social-economic environment.

TUITION

EU citizens: 3900 RON (approx. € 780)

Non-EU citizens: € 2430

ENTRY REQUIREMENTS

Baccalaureate Diploma

REASONS TO CHOOSE THIS PROGRAMME

- Interdisciplinary studies: engineering, economic and managerial;
- Quality material base & modern university campus;
- National and international partnerships.

CAREER OPPORTUNITIES

- product/process designer
- production system instructor (methodist)

- production management
- logistics
- sales - purchases (marketing)

PROGRAMME DETAILS

I st YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Linear Algebra, Analytical and Differential Geometry	4	E	Mathematical Analysis II	3	E
Mathematical Analysis I	5	E	Numerical methods	3	E
Chemistry	3	C	Computers programming and programming languages	3	V
Physics	5	E	Technical Drawing	4	V
Descriptive Geometry	5	V	Technology of Materials	5	E
Materials Science and Engineering	5	E	Mechanics I	4	E
Physical education I	1	A/R	General Economics	2	E
English I /French I	2	V	Physical education II *	1	A/R
			Internship I	3	C
			English II / French II	2	V

* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

II nd YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Special mathematics	3	E	Thermotechnics and Thermal Equipment	3	E
Computer Graphics	5	V	Electronics and automation	3	E
Mechanics II	5	E	Fundamentals of Computer Aided Technological Design	3	V
Resistance of Materials	4	E	Mechanisms and Machine Parts	5	E
Electrotechnics and Electrical Machines	3	E	Splinting Manufacturing	3	E
Fluid Mechanics, Hydraulic Equipment	3	E	Accounting	3	E
Physical education III	1	A/R	Accounting - project	2	V
Enterprise Economy	3	C	Basics of management	3	E
English III / French III	2	V	Physical education IV	1	A/R
Communication / Ethics and academic integrity	2	V	Internship II	3	C
			English IV / French IV	2	V

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III rd YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Tolerances and Dimensional Control	5	E	Ergonomics	3	C
Product Lifecycle Management	3	E	Economic Analysis	3	C
Product Lifecycle Management - project	2	V	Quality Management	4	E
Computer Aided Design	5	V	Logistics Management I	2	C
Operational Research	4	E	Engineering of Systems of Production 1	5	E
Machine tools	4	E	Product manufacturing technology 1	5	E
Commercial legislation	3	C	Technological Devices	4	E
Finance and lending / IT systems in management	4	C	Field Internship	4	C

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IV th YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Human Resources Management	3	E	Marketing	3	E

Management strategic	3	E	Organisational culture	2	C
Product manufacturing technology 2	5	E	Project management	3	E
Product manufacturing technology - project	3	V	Project management- project	2	V
Engineering of Systems of Production 2	5	E	Modelling and simulation of Systems of Production	3	E
Technological Devices - project	3	V	Drafting of the BD Thesis	10	C
Labour law	2	C	Internship for BD Thesis	3	C
Distribution of industrial goods / Simulated enterprise	3	E	Maintenance of manufacturing systems / Computer-assisted manufacturing - CAM systems	2	V
Business risk management / Logistics Management II	3	E	Economic legislation / Intellectual and industrial property legislation	2	E

* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

* V = test taken in the last two weeks of the semester (about 10% of the final grade)

* C = test taken in the last two weeks of the semester (about 30% of the final grade)

* E = exam taken during the exam period (at least 50% of the final grade)