

# 1st year

NTF › IGT › Study › Master's Degree › Graphic and Interactive Communication (MAG) › Curriculum › 1st year

Course	Hours					ECTS
	L	S	P	O	Σ	
<b>1st semester</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450</b>	<b>30</b>
Basic optional course 1	0	0	0	0	135	9
Basic optional course 2	0	0	0	0	135	9
Optional course 1	0	0	0	0	90	6
Optional course 2	0	0	0	0	90	6
<b>2nd semester</b>	<b>195</b>	<b>210</b>	<b>30</b>	<b>15</b>	<b>450</b>	<b>30</b>
Environmental management	45	45	0	0	90	6
Marketing management of companies	45	45	0	0	90	6
Innovation management	45	30	0	15	90	6
Artistic analysis of graphic products 2	30	30	30	0	90	6
Quality management processes	30	60	0	0	90	6
<b>TOTAL</b>	<b>195</b>	<b>210</b>	<b>30</b>	<b>15</b>	<b>900</b>	<b>60</b>

Basic optional courses	Hours					ECTS
	L	S	P	O	Σ	
Numerical methods	60	0	75	0	135	9
Mathematics 2	60	0	75	0	135	9
Technical mechanics	60	15	60	0	135	9
Organic chemistry	60	30	45	0	135	9
Physical chemistry	60	0	75	0	135	9
Physical chemistry of polymers	60	0	75	0	135	9

Optional courses	Hours					ECTS
	L	S	P	O	Σ	
Interactive media 2	30	30	0	30	90	6
Typography theory	45	45	0	0	90	6
Photography basics	30	15	45	0	90	6
Creative typography	0	60	30	0	90	6
Artistic photography	30	15	45	0	90	6
Integration of design and technology	30	30	30	0	90	6
Information visualisation	15	30	30	15	90	6
Editing information	45	45	0	0	90	6
Characterisation of surfaces	30	30	30	0	90	6
Methods for characterising graphic products	30	30	30	0	90	6
Modelling graphic process	30	30	30	0	90	6
Halftoning theory	30	30	30	0	90	6
Colour reproduction theory	30	30	30	0	90	6
Quality factors in printing	30	30	30	0	90	6
User interfaces	45	30	0	15	90	6
Human language technologies	45	30	0	15	90	6
Advanced computer 3D graphic and visualisations	30	45	0	15	90	6
Interactive systems 2	45	30	0	15	90	6

**Some recommended optional courses:**

*Technological specialisation:*

Characterisation of surfaces, Methods for characterising graphic products, Modelling graphic process, Halftoning theory, Colour reproduction theory, Quality factors in printing, Integration of design and technology.

*Media specialisation:*

User interfaces, Human language technologies, Advanced computer 3D graphic and visualisations, Interactive systems 2, Halftoning theory, Understanding information, Integration of design and technology.

*Design specialisation:*

Creative typography, Artistic photography, Information visualisation, Understanding information, User interfaces, Halftoning theory, Integration of design and technology.

**Abbreviations used for the syllabus:**

L – lectures

S – seminar

P – practice

O – other forms of educational activities (mainly project work)

ECTS – European Credits Transfer System (1 credit point equals a 30-hour student workload)

Grey – Grey written courses are not carried out in this academic year