

# FACULTY OF INFORMATICS



STUDY PROGRAM OF THE FIRST CYCLE IN:  
INFORMATICS WITH PROFILES

DURATION/ STUDY SYSTEM:  
**3 ACADEMIC YEARS-FULL TIME**

Degree Designation:  
BACHELOR IN INFORMATICS WITH PROFILE:

INFORMATION TECHNOLOGY

## CURRICULA

### FIRST-YEAR:

<i>Nr.</i>	<i>Courses</i>	<i>ECTS</i>
1	Academic Writing	6
2	Basics of Informatics	6
3	Maths 3.1 Maths 1 3.2 Maths 2	12 6 6
4	Algorithmics	6
5	Computer Architecture and Evaluation	6
6	Elective Courses 6.1 Physics 6.2 Sociology 6.3 Introduction to Economics	6
7	Foreign Language	6
8	Logical Systems	6
9	Data structure	6

**SECOND-YEAR:**

<i>Nr.</i>	<i>Courses</i>	<i>ECTS</i>
<b>1</b>	<b>Programming</b> 1.1 Programming I 1.2 Programming II	<b>12</b> 6 6
<b>2</b>	<b>Operating Systems</b>	<b>6</b>
<b>3</b>	<b>Multimedia Systems</b>	<b>6</b>
<b>4</b>	<b>Statistics</b> 4.1 Statistics 1 4.2 Statistics 2	<b>12</b> 6 6
<b>5</b>	<b>E-Business</b>	<b>4</b>
<b>6</b>	<b>Ethics and Communication in Business</b>	<b>4</b>
<b>7</b>	<b>Web Programming</b>	<b>6</b>
<b>8</b>	<b>Maths 3</b>	<b>6</b>
<b>9</b>	<b>IT Legal Issues</b>	<b>4</b>

**THIRD-YEAR:**

<i>Nr.</i>	<i>Courses</i>	<i>ECTS</i>
<b>1</b>	<b>Database Theory</b>	<b>6</b>
<b>2</b>	<b>Systems Administration</b>	<b>6</b>
<b>3</b>	<b>Data Communication and Computer Networks</b>	<b>6</b>
<b>4</b>	<b>UML</b>	<b>6</b>
<b>5</b>	<b>Web Services</b>	<b>6</b>
<b>6</b>	<b>Elective Courses</b> 1 Management 2 Marketing	<b>6</b>
<b>7</b>	<b>GIS</b>	<b>6</b>
<b>8</b>	<b>Information Systems Security</b>	<b>4</b>
<b>9</b>	<b>Professional Practice /Internship</b>	<b>6</b>
<b>10</b>	<b>Final Comprehensive Exam</b>	<b>8</b>

Total ECTS credits: 180