

**ALEKSANDER MOISIU UNIVERSITY, DURRES**  
**INFORMATION-TECHNOLOGY FACULTY**  
**COMPUTER SCIENCES DEPARTMENT**  
**STUDY PROGRAM: COMPUTER SCIENCES, BACHELOR**

| Faculty                   | Degree            | Diploma           | Year        | Semester        | Type* | Course                              | Prerequisite course         | USCr | ECTS | Language |
|---------------------------|-------------------|-------------------|-------------|-----------------|-------|-------------------------------------|-----------------------------|------|------|----------|
| MATION-TECHNOLOGY FACULTY | COMPUTER SCIENCES | COMPUTER SCIENCES | FIRST YEAR  | FIRST SEMESTER  | D     | Algebra                             |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | Informatics                         |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | Introduction in Programming         |                             | 4    | 6    | English  |
|                           |                   |                   |             |                 | D     | Physics                             |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | Z     | Introduction in Economics           |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 |       | Civilization History                |                             |      |      | Albanian |
|                           |                   |                   |             |                 |       | Academic writing                    |                             |      |      | Albanian |
|                           |                   |                   |             | SECOND SEMESTER | D     | Digital Logic                       |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | Technical English                   |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | Discrete Mathematics                |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | C++ Programming                     | Introduction in Programming | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | Z     | Basics of Management                |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 |       | Sociology                           |                             |      |      | Albanian |
|                           |                   |                   |             |                 |       | Public Communication                |                             |      |      | Albanian |
|                           |                   |                   | SECOND YEAR | FIRST SEMESTER  | D     | Web Programming I                   |                             | 4    | 6    | English  |
|                           |                   |                   |             |                 | D     | Computer Networking I               |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | Mathematical analysis I             |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | Database I                          |                             | 4    | 6    | English  |
|                           |                   |                   |             |                 | Z     | Introduction to Information Systems |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 |       | Applied mathematics                 |                             |      |      | Albanian |
|                           |                   |                   |             |                 |       | ICT and Innovation                  |                             |      |      | Albanian |
|                           |                   |                   |             | D SEMESTER      | D     | Database II                         | Database I                  | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | Operating Systems                   |                             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | Data structure                      | C++ Programming             | 4    | 6    | Albanian |
|                           |                   |                   |             |                 | D     | JAVA Programming                    | Introduction in Programming | 4    | 6    | Albanian |

|       |  |  |                                 |                 |   |                             |                         |   |          |          |
|-------|--|--|---------------------------------|-----------------|---|-----------------------------|-------------------------|---|----------|----------|
| INFOR |  |  | THIRD YEAR                      | SECOND SEMESTER | Z   | Mathematical analysis II    | Mathematical analysis I | 4 | 6        | Albanian |
|       |  |  |                                 |                 |   | Cyber Law                   |                         |   |          | Albanian |
|       |  |  |                                 |                 |   | Computer Architecture       | Digital Logic           |   |          | Albanian |
|       |  |  |                                 | FIRST SEMESTER  | D   | Advanced Java Programming   | JAVA Programming        | 4 | 6        | Albanian |
|       |  |  |                                 |                 | D   | Engineering Software        |                         | 4 | 6        | Albanian |
|       |  |  |                                 |                 | D   | Object Oriented Programming | C++ Programming         | 4 | 6        | Albanian |
|       |  |  | D                               |                 | Probability and Statistics                  |                             | 4                       | 6 | Albanian |          |
|       |  |  | Z                               |                 | Introduction to Cloud Computing             |                             | 4                       | 6 | Albanian |          |
|       |  |  |                                 |                 | Basics of Marketing                         |                             |                         |   | Albanian |          |
|       |  |  |                                 | Unix / Linux    |   | Albanian                    |                         |   |          |          |
|       |  |  | SECOND SEMESTER                 | D               | Windows Applications Design and Development |                             | 4                       | 6 | Albanian |          |
|       |  |  |                                 | D               | Datawarehouse & Knowledge mining            | Database I                  | 4                       | 6 | Albanian |          |
|       |  |  |                                 | D               | Web Programming II                          | Web Programming I           | 4                       | 6 | Albanian |          |
|       |  |  |                                 | D               | Exam / Microthesis                          |                             | 4                       | 6 | Albanian |          |
|       |  |  |                                 | Z               | Computer Graphics                           |                             | 4                       | 6 | Albanian |          |
|       |  |  |                                 |                 | Computer Networking II                      | Computer Networking I       |                         |   | Albanian |          |
|       |  |  | Statistical Software Processing |                 |   | Albanian                    |                         |   |          |          |
|       |  |  |                                 |                 |   |                             |                         |   |          |          |

Type\* D - Complusory Course

Z - Elective Course

**ALEKSANDER MOISIU UNIVERSITY, DURRES**  
**INFORMATION-TECHNOLOGY FACULTY**  
**COMPUTER SCIENCES DEPARTMENT**  
**STUDY PROGRAM: ENGLISH-INFORMATICS, BACHELOR**

| Faculty              | Degree         | Diploma        | Year                 | Semester            | Type* | Course                              | Prerequisite course | USCr | ECTS | Language |
|----------------------|----------------|----------------|----------------------|---------------------|-------|-------------------------------------|---------------------|------|------|----------|
| I-TECHNOLOGY FACULTY | SH-INFORMATICS | SH-INFORMATICS | FIRST YEAR           | FIRST SEMESTER      | D     | Algebra                             |                     | 4    | 6    | Albanian |
|                      |                |                |                      |                     | D     | English I                           |                     | 4    | 6    | Albanian |
|                      |                |                |                      |                     | D     | Informatics                         |                     | 4    | 6    | Albanian |
|                      |                |                |                      |                     | D     | Academic writing                    |                     | 4    | 6    | Albanian |
|                      |                |                |                      |                     | Z     | Introduction in Economics           |                     | 4    | 6    | Albanian |
|                      |                |                |                      |                     |       | Civilization History                |                     |      |      | Albanian |
|                      |                |                |                      | Physics             |       |                                     | Albanian            |      |      |          |
|                      |                |                |                      | SECOND SEMESTER     | D     | English II                          | English I           | 4    | 6    | Albanian |
|                      |                |                |                      |                     | D     | Introduction to Programming         |                     | 4    | 6    | English  |
|                      |                |                |                      |                     | D     | Discrete Mathematics                |                     | 4    | 6    | Albanian |
|                      |                |                |                      |                     | D     | Digital Logic                       |                     | 4    | 6    | Albanian |
|                      |                |                |                      |                     | Z     | Basics of Management                |                     | 4    | 6    | Albanian |
|                      |                |                | Sociology            |                     |       |                                     | Albanian            |      |      |          |
|                      |                |                | Public Communication |                     |       | Albanian                            |                     |      |      |          |
|                      |                |                | SECOND YEAR          | FIRST SEMESTER      | D     | Computer Architecture               | Digital Logic       | 4    | 6    | Albanian |
|                      |                |                |                      |                     | D     | Database I                          |                     | 4    | 6    | English  |
|                      |                |                |                      |                     | D     | English III                         | English II          | 4    | 6    | Albanian |
|                      |                |                |                      |                     | D     | Mathematical analysis I             |                     | 4    | 6    | Albanian |
|                      |                |                |                      |                     | Z     | Introduction to Information Systems |                     | 4    | 6    | Albanian |
|                      |                |                |                      |                     |       | Organizational behavior             |                     |      |      | Albanian |
|                      |                |                |                      | Applied mathematics |       |                                     | Albanian            |      |      |          |
|                      |                |                |                      | 4TH SEMESTER        | D     | English IV                          | English III         | 4    | 6    | Albanian |
|                      |                |                |                      |                     | D     | Web Programming I                   |                     | 4    | 6    | English  |
|                      |                |                |                      |                     | D     | Operating Systems                   |                     | 4    | 6    | Albanian |

|                    |              |              |                       |                          |                             |                                    |   |   |          |          |     |  |
|--------------------|--------------|--------------|-----------------------|--------------------------|-----------------------------|------------------------------------|---|---|----------|----------|-----|--|
| <b>INFORMATION</b> | <b>ENGLI</b> | <b>ENGLI</b> | <b>SECOND SEM</b>     | <b>D</b>                 | C++ Programming             | Introduction to Programming        | 4 | 6 | Albanian |          |     |  |
|                    |              |              |                       | <b>Z</b>                 | Computer Graphics           |                                    | 4 | 6 | Albanian |          |     |  |
|                    |              |              |                       |                          | Cyber Law                   |                                    |   |   | Albanian |          |     |  |
|                    |              |              |                       |                          | Database II                 | Database I                         |   |   | Albanian |          |     |  |
|                    |              |              | <b>FIRST SEMESTER</b> | <b>D</b>                 | English V                   | English IV                         | 4 | 6 | Albanian |          |     |  |
|                    |              |              |                       | <b>D</b>                 | Technical English           | English I                          | 4 | 6 | Albanian |          |     |  |
|                    |              |              |                       | <b>D</b>                 | Pedagogy / Teaching         |                                    | 4 | 6 | Albanian |          |     |  |
|                    |              |              |                       | <b>D</b>                 | Computer Networking I       |                                    | 4 | 6 | Albanian |          |     |  |
|                    |              |              |                       | <b>Z</b>                 | Unix / Linux                |                                    | 4 | 6 | Albanian |          |     |  |
|                    |              |              |                       |                          | JAVA Programming            | Introduction in Programming        |   |   | Albanian |          |     |  |
|                    |              |              |                       |                          | Object Oriented Programming | C++ Programming                    |   |   | Albanian |          |     |  |
|                    |              |              |                       | <b>SECOND SEMESTER</b>   | <b>D</b>                    | Introduction to Translation Theory |   | 4 | 6        | Albanian |     |  |
|                    |              |              |                       |                          | <b>D</b>                    | Exam / Microthesis                 |   | 4 | 6        | Albanian |     |  |
|                    |              |              |                       |                          | <b>D</b>                    | Probability and Statistics         |   | 4 | 6        | Albanian |     |  |
|                    |              |              | <b>D</b>              |                          | Data structure              | C++ Programming                    | 4 | 6 | Albanian |          |     |  |
|                    |              |              | <b>Z</b>              |                          | Computer Networking II      | Computer Networking I              | 4 | 6 | Albanian |          |     |  |
|                    |              |              |                       |                          | Web Programming II          | Web Programming I                  |   |   | Albanian |          |     |  |
|                    |              |              |                       | Mathematical analysis II | Mathematical analysis I     | Albanian                           |   |   |          |          |     |  |
|                    |              |              |                       |                          |                             |                                    |   |   |          | 120      | 180 |  |

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