



Republic of Macedonia  
**MINISTRY OF FOREIGN AFFAIRS**  
Directorate for non-European and Eurasian countries

59 - 2830/ 33

The Ministry of Foreign Affairs of the Republic of Macedonia presents its compliments to the Ministry of Foreign Affairs of the Russian Federation and has the honor to inform that the Government of the Republic of Macedonia has decided to offer one Undergraduate Scholarship for students from Russia at the University for Information Science and Technology "St. Paul The Apostle" (UISC) from Ohrid, Republic of Macedonia.

The Ministry has further the honor to enclose the call for scholarships i.e. information about details on eligibility, deadlines and application process together with the application form.

The Ministry has further the honor to inform that completed application form, in hard copy or in electronic version, must be submitted no later than 15<sup>th</sup> August 2010.

The Ministry has also the honor to kindly request that the Ministry Foreign Affairs of the Russian Federation informs the competent authorities and institutions in Russia about this educational opportunity.

The Ministry of Foreign Affairs of the Republic of Macedonia avails itself of this opportunity to renew to the Ministry of Foreign Affairs of the Russian Federation the assurances of its highest consideration.

Skopje, 30 June 2010

MINISTRY OF FOREIGN AFFAIRS  
OF THE RUSSIAN FEDERATION

MOSCOW





REPUBLIC OF MACEDONIA  
MINISTRY OF EDUCATION AND SCIENCE

## CALL FOR SCHOLARSHIPS

The Government of the Republic of Macedonia announces the Call for Applications for scholarships at the University of Information Science and Technology "Saint Paul the Apostle" in Ohrid, Macedonia. The scholarships will be awarded to outstanding students from Albania, Armenia, Cameroon, China (People's Republic of), Georgia, Ghana, India, Moldova, Mongolia, Morocco, Qatar, Russia, Tanzania, Ukraine, United States of America and Vietnam wishing to pursue under-graduate studies in the following programmes: (1) Communication Networks and Security; (2) Computer Science and Engineering; (3) Information Systems, Visualization, Multimedia and Animation; (4) Information Theory and Analysis and (5) Machine Intelligence and Robotics. One full scholarship will be awarded to a candidate from each of the eligible countries.

- the scholarships will be awarded for under-graduate studies for one of the above mentioned programmes;
- the Programme Outline and Course Overview are included in the annexes of this Call and are also available on the website of the University: <http://www.uist.edu.mk/faculties.htm>;
- the study language of the programmes is English. The courses are held by distinguished international lecturers;
- the scholarships cover the following: full cost of the tuition fees; visa and residence permit fees; health insurance (proof of good health condition and immunization chart might be required); return air fare from the applicant's home country; accommodation and food (full board) in the University dorm "Nikola Karev" in Ohrid, Macedonia; and additional monthly allowance of 5000 MKD (approximately 82 EUR);
- in case the applicants do not hold an international certificate for English proficiency or have studies in English language, the knowledge in English language will be examined by authorized representatives from the University;
- the selection process will be implemented by a five member committee appointed by the Minister for Education and Science of the Republic of Macedonia;
- the successful applicants will sign a contract with the Ministry of Education and Science of the Republic of Macedonia. The scholarship will provide the funds for the first academic year and will be extended annually based on the satisfactory progress of the student, as determined by the University, until the end of the studies;
- the students will be encouraged to return to their home country after the completion of their studies;
- additional information about the University and the programmes is provided on the website of the University of Information Science and Technology "Saint Paul the Apostle": <http://www.uist.edu.mk>. General information about the City of Ohrid, the UNSECO protected city that hosts the University can be found at: <http://www.exploringmacedonia.com>.

The Application Form can be found in the annex of this Call for Scholarships or can be downloaded from the website of the Ministry of Education and Science of the Republic of Macedonia: [www.mon.gov.mk](http://www.mon.gov.mk). For additional information and enquiries, please contact Ms. Snezana Luzevska at: + 389 75 317 075 or e-mail: [snezana.luzevska@mon.gov.mk](mailto:snezana.luzevska@mon.gov.mk). The candidate should send the following documents:

- application Form with passport-sized photography attached;
- one academic letter of recommendation from a high school teacher;
- notarized copy of the high school diploma or certificate (translated into English language);
- notarized copy of transcripts showing the obtained grades for each high school year (translated into English language);
- proof of English proficiency (In case the applicants do not hold an international certificate for English proficiency or have studies in English language, the knowledge in English language will be examined by authorized representatives from the University);
- passport copy.

Application can be submitted in hard copy to the appropriate Ministry of Education of the applicant's home country, or in electronic version with attached scanned copies of the required documents to the following e-mail: [snezana.luzevska@mon.gov.mk](mailto:snezana.luzevska@mon.gov.mk).

The deadline for application is **15 August 2010**.



**ANNEX 1: APPLICATION FORM**

scholarship for studying at University of Information science and technology „Saint apostle Paul“ – Ohrid

| DETAILS OF THE APPLICANT  |                   |   |                                 |
|---|-------------------|---|---------------------------------|
| FIRST NAME(S)   |                   |   |                                 |
| FAMILY NAME   |                   |   |                                 |
| GENDER  |                   | <input type="checkbox"/> male                   | <input type="checkbox"/> female |
| DATE OF BIRTH   |                   |   |                                 |
| <small>Please use format dd/mm/yyyy</small>   |                   |   |                                 |
| NATIONALITY   |                   |   |                                 |
| PASSPORT NUMBER   |                   |   |                                 |
| ADDRESS   |                   |   |                                 |
| CITY  |                   | POSTAL CODE                                     |                                 |
| EMAIL   |                   | TELEPHONE                                       |                                 |
|   |                   | <small>including country and city codes</small> |                                 |
| Please give a short description of your secondary school  |                   |   |                                 |
| Name and location of the school   |                   |   |                                 |
| Type of the school (gymnasium, vocational)  | Teaching language | Duration (years)                                | Grade obtained                  |
|   |                   |   |                                 |
| Knowledge of English language (level or type of certificate)  |                   |   |                                 |
|   |                   |   |                                 |
| Faculty and study programme you wish to study at the University of Information Science and Technology |                   |   |                                 |
|   |                   |   |                                 |

|   |  |   |  |
|---|--|---|--|
| <b>Please state briefly why you are applying for the scholarship, and indicate both what you expect from it and how it would benefit your career and your country</b> |  |   |  |
|   |  |   |  |
| <b>Please indicate the extracurricular activities you have taken part off (if any)</b>  |  |   |  |
|   |  |   |  |
| <b>DETAILS OF THE REFEREE</b>   |  |   |  |
| <b>Please provide contact details of the person that has provided you with the Recommendation Letter</b>  |  |   |  |
| <b>FIRST NAME(S)</b>  |  |   |  |
| <b>FAMILY NAME</b>  |  |   |  |
| <b>TITLE</b>  |  |   |  |
| <b>NAME OF THE INSTITUTION</b>  |  |   |  |
| <b>ADDRESS (of the institution)</b>   |  |   |  |
| <b>CITY and COUNTRY</b>   |  | <b>POSTAL CODE</b>                              |  |
| <b>E-MAIL</b>   |  | <b>TELEPHONE</b>                                |  |
|   |  | <small>Including country and city codes</small> |  |
| I certify that the statements made by me in answer to the foregoing questions are true, complete and correct  |  |   |  |
| DATE: _____   |  | SIGNATURE: _____                                |  |

## ANNEX 2: PROGRAM OUTLINES AND COURSE OVERVIEWS

### 1. Communication Networks & Security

#### Program outline and goal

The faculty of Communications Networks & Security is intended for students who want to achieve a solid level of knowledge and skills in the area of networking, communication and security. In addition to a thorough theoretical base on these topics, hands-on lab assignments and applications are important parts of the courses. Having completed these studies the students will be competent in: communication networks (design and maintenance), security measures and methods, signal processing, network programming etc. The goal of this faculty is to give students the opportunity and means to become high-quality educated professionals who will be able to cope in industry or an academic environment.

#### Course overview

| Courses  | Semester | Courses   | Semester |
|--|----------|---|----------|
| Discrete Mathematics 1<br>Mathematics 1<br>Programming 1<br>Physics<br>Creative Writing and presentation                                   | 1        | Mathematics 2<br>Programming 2<br>Technical Writing and Presentations<br>Digital Signal Processing<br>Network Architectures                               | 2        |
| Algorithms and Data Structures<br>Programming 3<br>Database Systems<br>Minor elective (Natural Science)<br>Computing Systems Configuration | 3        | Software Engineering<br>Quality Control and Assurance<br>Descriptive and Inferential Statistics<br>Minor elective (Social Science)<br>Wireless Technology | 4        |
| Programming IV<br>Stochastic Processes<br>Server and Client Systems<br>2 Minor elective courses (Any category)                             | 5        | Probability and Statistics<br>Coding Theory<br>Cryptography<br>2 Minor elective courses (Any category)  | 6        |
| R&D Methods for Science and<br>Engineering<br>Industrial Internship<br>2 Final Projects<br>Major Elective course                           | 7        | Senior Seminar<br>2 Major Elective courses<br>2 Final Projects  | 8        |

Note: Each of the offered courses have 3 lecture sessions and 2 lab sessions per week.  
Each semester lasts 15 weeks.

#### Offered degree programs

The University for Information Science and Technology, "St. Paul the Apostle" offers three types of degree programs.

- > After completion of 2 years of studies students will obtain an Associate Certificate in IT.
- > After completion of 3 years of studies students will obtain a degree of Bachelor of Engineering in IS&T, in the area of Communication Networks & Security. Students who wish to continue their education and obtain a Master degree will need to study for additional 2 more years.
- > After completion of 4 years of studies students will obtain a degree of Bachelor of Science in IS&T, in the area of Communication Networks & Security. Students who wish to continue their education and obtain a Master degree will need to study for an additional year.

## 2. Computer Science & Engineering

### Program outline and goal

The faculty of Computer Science & Engineering is intended for students who want to achieve a solid level of knowledge and skills in the broad area of computer science and engineering. In addition to a thorough theoretical base, hands-on lab assignments and applications are important parts of the courses. Having completed these studies the students will be competent in: configuring computers and network, programming, analyzing processes and their computing, development and use of commercial software, application development, operating systems etc. The goal of this faculty is to give students the opportunity and means to become high-quality educated professionals who will be able to cope in industry or an academic environment.

### Course overview

| Courses  | Semester | Courses   | Semester |
|--|----------|---|----------|
| Discrete Mathematics 1<br>Mathematics 1<br>Programming 1<br>Physics<br>Creative Writing and presentation                                   | 1        | Mathematics 2<br>Programming 2<br>Technical Writing and Presentation<br>Computer Organization<br>Assembly Language Programming                          | 2        |
| Algorithms and Data Structures<br>Programming 3<br>Database Systems<br>Minor elective (Natural Science)<br>Computing Systems Configuration | 3        | Software Engineering<br>Quality Control and Assurance<br>Descriptive and Inferential Statistics<br>Minor elective (Social Science)<br>Operating Systems | 4        |
| Programming IV<br>Finite State Machines<br>Compiler Theory<br>2 Minor elective courses (Any category)                                      | 5        | Probability and Statistics<br>Programming Language Concepts<br>Network Architectures<br>2 Minor elective courses (Any category)                         | 6        |
| R&D Methods for Science and Engineering<br>Industrial Internship<br>2 Final Projects<br>Major Elective course                              | 7        | Senior Seminar<br>2 Major Elective courses<br>2 Final Projects  | 8        |

Note: Each of the offered courses have 3 lecture sessions and 2 lab sessions per week.  
Each semester lasts 15 weeks.

### Offered degree programs

The University for Information Science and Technology, "St. Paul the Apostle" offers three types of degree programs.

- > After completion of 2 years of studies students will obtain an Associate Certificate in IT.
- > After completion of 3 years of studies students will obtain a degree of Bachelor of Engineering in IS&T, in the area of Computer Science & Engineering. Students who wish to continue their education and obtain a Master degree will need to study for additional 2 more years.
- > After completion of 4 years of studies students will obtain a degree of Bachelor of Science in IS&T, in the area of Computer Science & Engineering. Students who wish to continue their education and obtain a Master degree will need to study for an additional year.

### 3. Computer Science & Engineering

#### Program outline and goal

The faculty of Computer Science & Engineering is intended for students who want to achieve a solid level of knowledge and skills in the broad area of computer science and engineering. In addition to a thorough theoretical base, hands-on lab assignments and applications are important parts of the courses. Having completed these studies the students will be competent in configuring computers and network, programming, analyzing processes and their computing, development and use of commercial software, application development, operating systems etc. The goal of this faculty is to give students the opportunity and means to become high-quality educated professionals who will be able to cope in industry or an academic environment.

#### Course overview

| Courses   | Semester | Courses   | Semester |
|---|----------|---|----------|
| Discrete Mathematics 1<br>Mathematics 1<br>Programming 1<br>Physics<br>Creative Writing and presentation                                      | 1        | Mathematics 2<br>Programming 2<br>Technical Writing and Presentation<br>Computer Organization<br>Assembly Language Programming                          | 2        |
| Algorithms and Data Structures<br>Programming 3<br>Database Systems<br>Minor elective (Natural Science)<br>Computing Systems<br>Configuration | 3        | Software Engineering<br>Quality Control and Assurance<br>Descriptive and Inferential Statistics<br>Minor elective (Social Science)<br>Operating Systems | 4        |
| Programming IV<br>Finite State Machines<br>Compiler Theory<br>2 Minor elective courses (Any category)   | 5        | Probability and Statistics<br>Programming Language Concepts<br>Network Architectures<br>2 Minor elective courses (Any category)                         | 6        |
| R&D Methods for Science and Engineering<br>Industrial Internship<br>2 Final Projects<br>Major Elective course                                 | 7        | Senior Seminar<br>2 Major Elective courses<br>2 Final Projects  | 8        |

Note: Each of the offered courses have 3 lecture sessions and 2 lab sessions per week  
Each semester lasts 15 weeks.

#### Offered degree programs

The University for Information Science and Technology, "St. Paul the Apostle" offers three types of degree programs.

- > After completion of 2 years of studies students will obtain an Associate Certificate in IT.
- > After completion of 3 years of studies students will obtain a degree of Bachelor of Engineering in IS&T, in the area of Computer Science & Engineering. Students who wish to continue their education and obtain a Master degree will need to study for additional 2 more years.
- > After completion of 4 years of studies students will obtain a degree of Bachelor of Science in IS&T, in the area of Computer Science & Engineering. Students who wish to continue their education and obtain a Master degree will need to study for an additional year.

## 4. Information Systems, Visualization, Multimedia & Animation

### Program outline

The faculty of Information Systems, Visualization, Multimedia & Animation is intended for students who want to achieve a solid level of knowledge and skills in the area of multimedia and animation. In addition to a thorough theoretical base, hands-on lab assignments and applications are important parts of the courses. Having completed these studies the students will have specific competence in: multimedia systems design, programming, computer graphics etc. In addition to this they will have a solid base knowledge in computer science. The goal of this faculty is to give students the opportunity and means to become high-quality educated professionals who will be able to cope in industry or an academic environment.

### Course overview

| Courses  | Semester | Courses   | Semester |
|--|----------|---|----------|
| Discrete Mathematics 1<br>Mathematics 1<br>Programming 1<br>Physics<br>Creative Writing and presentation                                 | 1        | Mathematics 2<br>Programming 2<br>Technical Writing and Presentation<br>Cognitive Science<br>Human-Computer Interaction                                 | 2        |
| Algorithms and Data Structures<br>Programming 3<br>Database Systems<br>Minor elective (Natural Science)<br>Computer Graphics and Display | 3        | Software Engineering<br>Quality Control and Assurance<br>Descriptive and Inferential Statistics<br>Minor elective (Social Science)<br>Multimedia Design | 4        |
| Programming IV<br>Numerical Methods<br>Graph Theory<br>2 Minor elective courses (Any category)   | 5        | Probability and Statistics<br>Pattern Recognition<br>Clustering<br>2 Minor elective courses (Any category)  | 6        |
| R&D Methods for Science and Engineering<br>Industrial Internship<br>2 Final Projects<br>Major Elective course                            | 7        | Senior Seminar<br>2 Major Elective courses<br>2 Final Projects  | 8        |

Note: Each of the offered courses have 3 lecture sessions and 2 lab sessions per week.  
Each semester lasts 15 weeks.

### Offered degree programs

The University for Information Science and Technology, "St. Paul the Apostle" offers three types of degree programs.

- After completion of 2 years of studies students will obtain an Associate Certificate in IT.
- After completion of 3 years of studies students will obtain a degree of Bachelor of Engineering in IS&T, in the area of Information Systems, Visualization, Multimedia & Animation. Students who wish to continue their education and obtain a Master degree will need to study for additional 2 more years.
- After completion of 4 years of studies students will obtain a degree of Bachelor of Science in IS&T, in the area of Information Systems, Visualization, Multimedia & Animation. Students who wish to continue their education and obtain a Master degree will need to study for an additional year.

## 5. Information Theory & Analysis

### Program outline and goal

The faculty of Information Theory & Analysis is intended for students who want to achieve a solid level of knowledge and skills in the broad area of computer science and engineering. In addition to a thorough theoretical base, hands-on lab assignments and applications are important parts of the courses. Having completed these studies the students will be competent in: Information Systems analysis, processes, technologies and signals etc. In addition to this specialized knowledge students will of course get knowledge in the broader area of computer science. The goal of this faculty is to give students the opportunity and means to become high-quality educated professionals who will be able to cope in industry or an academic environment.

### Course overview

| Courses  | Semester | Courses   | Semester |
|--|----------|---|----------|
| Discrete Mathematics 1<br>Mathematics 1<br>Programming 1<br>Physics<br>Creative Writing and presentation                         | 1        | Mathematics 2<br>Programming 2<br>Technical Writing and Presentation<br>Thermodynamics<br>Cognitive Science   | 2        |
| Algorithms and Data Structures<br>Programming 3<br>Database Systems<br>Minor elective (Natural Science)<br>Differential Equators | 3        | Software Engineering<br>Quality Control and Assurance<br>Descriptive and Inferential Statistics<br>Minor elective (Social Science)<br>Numerical Methods | 4        |
| Programming IV<br>Stochastic Processes<br>Information Theory<br>2 Minor elective courses (Any category)                          | 5        | Probability and Statistics<br>Coding Theory<br>Decision Theory<br>2 Minor elective courses (Any category)   | 6        |
| R&D Methods for Science and Engineering<br>Industrial Internship<br>2 Final Projects<br>Major Elective course                    | 7        | Senior Seminar<br>2 Major Elective courses<br>2 Final Projects  | 8        |

Note: Each of the offered courses have 3 lecture sessions and 2 lab sessions per week.  
Each semester lasts 15 weeks.

### Offered degree programs

The University for Information Science and Technology, "St. Paul the Apostle" offers three types of degree programs.

- > After completion of 2 years of studies students will obtain an Associate Certificate in IT.
- > After completion of 3 years of studies students will obtain a degree of Bachelor of Engineering in IS&T, in the area of Information Theory & Analysis. Students who wish to continue their education and obtain a Master degree will need to study for additional 2 more years.
- > After completion of 4 years of studies students will obtain a degree of Bachelor of Science in IS&T, in the area of Information Theory & Analysis. Students who wish to continue their education and obtain a Master degree will need to study for an additional year.

## 6. Machine Intelligence & Robotics

### Program outline

The faculty of Machine Intelligence & Robotics is intended for students who want to achieve a solid level of knowledge and skills in the area of robotics and artificial intelligence. In addition to a thorough theoretical base, hands-on lab assignments and applications are important parts of the courses. Having completed these studies the students will be competent in designing and exploiting robotic systems, they will have firm knowledge of concepts and applications in artificial intelligence and automated systems etc. The goal of this faculty is to give students the opportunity and means to become high-quality educated professionals who will be able to cope in industry or an academic environment.

### Course overview

| Courses   | Semester | Courses  | Semester |
|---|----------|--|----------|
| Discrete Mathematics 1<br>Mathematics 1<br>Programming 1<br>Physics<br>Creative Writing and presentation                        | 1        | Mathematics 2<br>Programming 2<br>Technical Writing and Presentation<br>Automated Reasoning and Search<br>Sensors and Actuators                      | 2        |
| Algorithms and Data Structures<br>Programming 3<br>Database Systems<br>Minor elective (Natural Science)<br>Linear System Theory | 3        | Software Engineering<br>Quality Control and Assurance<br>Descriptive and Inferential Statistics<br>Minor elective (Social Science)<br>Control Theory | 4        |
| Programming IV<br>Stochastic Processes<br>Statistical Learning Systems<br>2 Minor elective courses (Any category)               | 5        | Probability and Statistics<br>Cognitive Science<br>Decision Theory<br>2 Minor elective courses (Any category)  | 6        |
| R&D Methods for Science and Engineering<br>Industrial Internship<br>2 Final Projects<br>Major Elective course                   | 7        | Senior Seminar<br>2 Major Elective courses<br>2 Final Projects   | 8        |

Note: Each of the offered courses have 3 lecture sessions and 2 lab sessions per week.  
Each semester lasts 15 weeks.

### Offered degree programs

The University for Information Science and Technology, "St. Paul the Apostle" offers three types of degree programs.

- > After completion of 2 years of studies students will obtain an Associate Certificate in IT.
- > After completion of 3 years of studies students will obtain a degree of Bachelor of Engineering in IS&T, in the area of Machine Intelligence & Robotics. Students who wish to continue their education and obtain a Master degree will need to study for an additional 2 more years.
- > After completion of 4 years of studies students will obtain a degree of Bachelor of Science in IS&T, in the area of Machine Intelligence & Robotics. Students who wish to continue their education and obtain a Master degree will need to study for an additional year.