

## **Joint Programs run between Princess Sumaya University for Technology and Indiana University-Bloomington (USA)**

Princess Sumaya University for Technology (PSUT) announces that applications are now being accepted for joint study programs with Indiana University (IU) in the United States. The details are as follows:

### **Computer Science Major**

1. 2 + 2 Joint Program (Degree certificate from both universities) between PSUT and Indiana University Bloomington (IU)

The 2 + 2 joint program to grant a Bachelor's degree from both universities in the field of Computer Science consists of:

#### **The academic degree:**

The student studies two years at PSUT, and two years (may be extended to a third year) at IU and is eligible for two Bachelor's degrees in Computer Science, a degree from each university. The student will also have the opportunity to complete a Master's in one additional academic year.

#### **Stages of the 2 + 2 Program:**

The 2 + 2 program consists of the following two stages:

**Stage 1:** The student studies the first two years (first and second year) at PSUT in accordance with the University's rules and regulations.

**Stage 2:** The student goes on to study the last two years (third and fourth year) at IU according to their rules and regulations. This period may be extended for a third year depending on the student's academic status. The course of study leads to the student obtaining two Bachelor's degrees (one from PSUT and one from IU).

**Note:** Obtaining the above-mentioned degrees requires the completion of the study plan and meeting the specified conditions.

#### **Requirements for obtaining the degrees:**

In order to qualify for a Bachelor's degree in Computer Science from both universities, the student must:

1. Complete the program requirements during the first two years by studying (60) credit hours at PSUT according to the attached study plan. The minimum acceptable mark for each course is 68%.
2. Complete the program requirements during the following two years at IU (extendable for a third year according to the student's academic status). These requirements are (60) credit hours, according to the plan attached herewith.

#### **Admission requirements:**

1. The student is accepted to study the Computer Science major at PSUT upon meeting the University's admission requirements. He/she studies the first and second years at PSUT, completing 60 out of 120 credit hours. The **minimum** acceptable cumulative GPA in these courses is 75%.

2. Upon completing the conditions stipulated in clause (1) for admission to IU, the student submits his/her application. The conditions include obtaining an English language proficiency certificate. For further information, please refer to the following link:

<http://ois.indiana.edu/admissions/apply/transfer/standards.shtml>

3. Meeting the minimum IU admission requirements does not guarantee acceptance, as the application will be competing with other submitted applications.

4. In order to enroll in the Bachelor of Computer Science program at IU, the student must:

- Complete the prerequisite requirements of the Bachelor of Computer Science program specified in the appendix, and then complete approximately (60) credit hours at IU.
- Maintain a minimum GPA of 2.0 out of 4.0 upon graduation from IU.

5. Upon completion of the required number of credit hours at IU, specified in the appendix, the student is granted a Bachelor's Degree in Computer Science from PSUT, after requesting a transcript from IU and submitting it to PSUT's Deanship of Admissions and Registration. He/she also receives a Bachelor's Degree in Computer Science from IU, thus obtaining two degrees from two universities.

**Tuition fees:**

1. The student shall pay the tuition fees at PSUT for the first two years in which he/she studies there.

2. The following tuition fees are applied by IU:

**In state:**

|                   |                     |            |
|-------------------|---------------------|------------|
| Credit-Hour Fees: | Flat Rate           | \$4,604.83 |
|                   | Technology Fee:     | \$189.62   |
|                   | Transportation Fee: | \$64.60    |
| Mandatory Fees:   | Student Health Fee: | \$116.00   |
|                   | Activity Fee:       | \$103.41   |
|                   | Repair & Rehab Fee: | \$188.05   |
| Program Fees:     |                     | \$306.00   |
| Total:            |                     | \$5,572.51 |

**Out of state:**

|                   |                     |             |
|-------------------|---------------------|-------------|
| Credit-Hour Fees: | Flat Rate           | \$16,760.93 |
|                   | Technology Fee:     | \$189.62    |
|                   | Transportation Fee: | \$64.60     |
| Mandatory Fees:   | Student Health Fee: | \$116.00    |
|                   | Activity Fee:       | \$103.41    |
|                   | Repair & Rehab Fee: | \$188.05    |
| Program Fees:     |                     | \$306.00    |
| Total:            |                     | \$17,728.61 |

3. PSUT shall charge the student an annual fee of 750 JOD (seven hundred and fifty dinars) for each year spent by the student at IU in lieu of admission and registration services, follow-up and course equivalency procedures.

4. The student shall bear all other expenses such as accommodation, travel, visa and health insurance.

### **Scholarships:**

PSUT students admitted to IU will receive a scholarship, if there are any available that year. Please note that a **maximum of five** students will be admitted each year.

### **Continuing Graduate Studies:**

IU encourages students studying in the 2 + 2 program to continue their postgraduate studies in their chosen disciplines at the university should they meet the admission requirements.

### **Withdrawal from study at IU:**

1. A student who wishes to withdraw from his/her studies at IU for any reason may return to PSUT to complete his/her studies. The courses he/she studied at IU will be accredited to the study plan at PSUT.

2. If the student commits any behavior that violates IU rules and regulations, he/she will be subject to the penalty of removal from the program. PSUT will assess the student's status to reach a decision whether or not he/she should be permitted to continue studying at PSUT.

### **Regulations and Laws:**

Students studying at IU are obliged to abide by Indiana State Residency Laws and IU rules and regulations. Students are held fully responsible according to the law.

### **Entry visa to the USA:**

PSUT bears no responsibility for guaranteeing the student a visa to the United States. Visa requirements are as follows:

- An acceptance letter from Indiana University.
- Get an I-20, the form for international students, in order to obtain an F-1 visa.
- Follow the instructions to obtain a visa.

### **Health insurance:**

The student may pay for health insurance either through IU, or through IU-accredited insurance companies.

## **General information on joint programs run between**

### **PSUT and Indiana University-Bloomington**

1. Students who meet the requirements for admission to these programs are enrolled in the First Semester at IU (Fall Semester) or the following semester.
2. Students who meet the requirements should submit their application to PSUT's Deanship of Admissions and Registration no later than Feb 01, accompanied by the required documents such as transcripts and English proficiency test results. Students who complete these requirements in the Second Semester may apply and attach a list of the courses they are studying in that semester together with the other required documents.
3. Complete the forms required for admission to IU, obtained through the Deanship of Admissions and Registration.

Students wishing to apply for this program are subject to the Resolution taken by the Deans Council at PSUT, which stipulates the following:

The student who wishes to join a program run jointly with any of the partnering American universities will be charged a sum of JD 1000 upon application. This sum will be used as follows:

- In case of the student being accepted, the entire sum shall be deducted from the amount all semester registration fees, according to the prevailing rules and regulations at the time. The remainder, if any, shall be accredited to the student's account.
- The full amount will be returned to the student in case he/she is not accepted.
- 500 JOD will be deducted if the student is accepted to the program but fails to enroll for any reason.

**Or contact Miss Shorouq Al-Halawani at the Deanship of Admissions and Registration.**

**Appendix:**  
**The Study Plan**  
**For the 2 + 2 Program in**  
**Computer Science**

**One: Courses to be studied at PSUT and their equivalent courses at IU:**

| PSUT Course  | Equivalent IU Course   | IU Credits |
|--|--|------------|
| [31151] National Education<br>[31152] Arabic Islamic Civilization<br>[31262] Introduction to Educational Sciences<br>[31351] Contemporary Issues in the Arab World | Each of these courses is equivalent to an IU S&H course (towards the fulfillment of IU's common ground requirements) | 3          |
| [31211] Arabic Literature<br>[31361] Introduction to Philosophy  | Each of these courses is equivalent to an IU A&H course (towards the fulfillment of IU's common ground requirements) | 3          |
| [20141 + 20148] Physics 1  | [P221] Physics 1   | 5          |
| [20142 + 20149] Physics 2  | [P222] Physics 2   | 5          |
| [20132] Calculus 1   | [M211] Calculus 1  | 4          |
| [20133] Calculus 2   | [M212] Calculus 2  | 4          |
| [20234] Linear Algebra   | [M303] Linear Algebra for Undergraduates   | 3          |
| [20333] Numerical Analysis   | [M371] Elementary Computational Methods  | 3          |
| [20134] Discrete Mathematics 1   | [M353] Discrete Mathematics  | 3          |
| [20135] Discrete Mathematics 2   | [C241] Discrete Structures for Computer Science  | 3          |
| [11206] Object Oriented Programming  | [C212] Introduction to Software Systems  | 3          |
| [11212] Data Structures and Introduction to Algorithms   | [C343] Data Structures   | 3          |
| [11103] Structured Programming   | [C291] System Programming with C and Unix  | 1.5        |
| [22342] Computer Organization and Assembly Language  | [C335] Computer Structures   | 3          |
| [11102] Introduction to Computer Science   | [C200] Introduction to Computers and Programming   | 3          |
| [22241] Digital Logic Design   | [B441] Digital Design  | 3          |
| [11316] Theory of Computation  | [B401] Fundamentals of Computing Theory  | 3          |

**Two: Courses to be studied at IU and their equivalent courses at PSUT:**

| <b>IU Course</b>                                     | <b>Equivalent PSUT Course</b>                              | <b>PSUT Credits</b> |
|--|--|---------------------|
| [B403] Introduction to Algorithm Design and Analysis | [11313] Algorithm Design and Analysis                      | 3                   |
| [P423] Compilers                                     | [11417] Compiler Design and Programming Languages          | 3                   |
| [C311] Programming Languages                         | None   | -                   |
| [B461] Advanced Database Concepts                    | [11323] Database Systems                                   | 3                   |
| [B351] Introduction to Artificial Intelligence       | [11428] Artificial Intelligence                            | 3                   |
| [P434] Distributed Systems                           | None   | -                   |
| [P436] Introduction to Operating Systems             | [11335] Operating Systems<br>[11355] Operating Systems Lab | 4                   |
| [P438] Introduction to Computer Networks             | [11435] Data Communications and Computer Networks          | 3                   |
| [B443] Computer Architecture                         | [22541] Computer Architecture                              | 3                   |
| [65] Software Engineering for Information Systems 1  | [11425] Software Engineering                               | 3                   |
| [B481] Interactive Graphics                          | [12273] Computer Graphics                                  | 3                   |

**Third: A proposed model plan for the whole four years of study:**

|   |  |
|---|--|
| <p><b>Year 1, First Semester (Completed at PSUT)</b></p> <ul style="list-style-type: none"> <li>• [11102] Introduction to Computer Science (3 credits)</li> <li>• [20134] Discrete Mathematics 1 (3 credits)</li> <li>• [20141] Physics 1 (3 credits)</li> <li>• [20132] Calculus 1 (3 credits)</li> <li>• S&amp;H course (3 credits)*</li> </ul>   | <p><b>Year 1, Second Semester (Completed at PSUT)</b></p> <ul style="list-style-type: none"> <li>• [11103] Structured Programming (3 credits)</li> <li>• [11151] Structured Programming Lab (1 credit)</li> <li>• [20135] Discrete Mathematics 2 (3 credits)</li> <li>• [22241] Digital Logic Design (3 credits)</li> <li>• [20133] Calculus 2 (3 credit hours)</li> <li>• S&amp;H course (3 credit hours) *</li> </ul>                  |
| <p><b>Year 2, First Semester (Completed at PSUT)</b></p> <ul style="list-style-type: none"> <li>• [11206] Object Oriented Programming (3 credits)</li> <li>• [11253] Object Oriented Programming Lab (1 credit hour)</li> <li>• [20142] Physics 2 (3 credit hours)</li> <li>• [22342] Computer Organization and Assembly Language (3 credit hours)</li> <li>• [20234] Linear Algebra (3 credit hours)</li> <li>• [31121] English Language (3 credit hours)</li> </ul> | <p><b>Year 2, Second Semester (Completed at PSUT)</b></p> <ul style="list-style-type: none"> <li>• [11212] Data Structures and Introduction to Algorithms (3 credit hours)</li> <li>• [11316] Theory of Computation (3 credit hours)</li> <li>• [20233] Statistical Methods (3 credit hours)</li> <li>• [20333] Numerical Analysis (3 credit hours)</li> <li>• [31263] Technical Writing and Communication Skills (3 credits)</li> </ul> |
| <p><b>Year 3, First Semester (Completed at IU)</b></p> <ul style="list-style-type: none"> <li>• CS Elective (3-4 credits)</li> <li>• Natural Science Course (3 credits)</li> <li>• [B461] Database Concepts (3 credits)</li> <li>• English Composition (3 credits)</li> </ul>   | <p><b>Year 3, Second Semester (IU)</b></p> <ul style="list-style-type: none"> <li>• [B403] Introduction to Algorithm Design and Analysis (3 credits)</li> <li>• [C311] Programming Languages (4 credits)</li> <li>• CS Elective (3-4 credits)</li> <li>• A&amp;H Course (3 credits)</li> <li>• Natural Science Course (3 credits)</li> </ul>   |
| <p><b>Year 4, First Semester (Completed at IU)</b></p> <ul style="list-style-type: none"> <li>• [P423] Compilers (4 credits)</li> <li>• CS Elective (3-4 credits)**</li> <li>• CS Elective (3-4 credits)**</li> <li>• IU Course (3 credits)</li> <li>• Intensive Writing (3-4 credits)</li> </ul>   | <p><b>Year 4, Second Semester (Completed at IU)</b></p> <ul style="list-style-type: none"> <li>• IU Course (3 credits)</li> <li>• IU Course (3 credits)</li> <li>• IU Course (3 credits)</li> <li>• IU Course (3 credits)</li> <li>• A&amp;H Course (3 credits)</li> </ul>   |

**\*S&H (Science and Humanities) courses include:**

- [31151] National Education
- [31152] Arabic Islamic Civilization
- [31262] Introduction to Educational Sciences
- [31351] Contemporary Issues in the Arab World

**\*\*CS Electives include:**

- [B351] Introduction to Artificial Intelligence (3 credits)
- [P434] Distributed Systems (4 credits)
- [P436] Introduction to Operating Systems (4 credits)
- [P438] Introduction to Computer Networks (4 credits)
- [B443] Computer Architecture (3 credits)
- [P465] Software Engineering for Information Systems 1 (3 credits)
- [B481] Interactive Graphics (3 credits)