

SB 1009  
SEP 22 2009



# NEW MAJOR or MINOR APPROVAL FORM

**NOTE:** This approval form must be completed and received by the Provost's Office by **November 1** for a new major or minor to be approved for the following academic year.

**NOTE:** The following must be attached to this Approval Form:

- Description of the new major or minor including all requirements, courses, etc.
- Program description as it will appear in the University Catalog.
- All supporting paperwork such as New Course Approval Forms, etc.
- For new majors, all the forms required by the Missouri Department of Higher Education to approve a new program.

*Susan Babassa*

9-9-09

Approved by Department Chair

Date

Approved by Department Chair\*

Date

Approved by Department Chair\*

Date

Approved by Department Chair\*

Date

*Jonathan C. Berry*

Sept. 21, 2009

Approved by Dean of School

Date

Approved by Dean of School\*

Date

**SEND TO THE PROVOST'S OFFICE**

Approved by Director of Interdisciplinary Studies (Interdisciplinary Only)

Date

10-1-09 *de*

Date approved by Undergraduate Council or Graduate Council

10-22-09 *Kag*

Date approved by Faculty Senate

SB1009

Bill Number

Approved by the Provost

Date

Approved by the President

Date

\*NOTE: If the new major or minor affects more than one discipline, the Chair and Dean of each affected Department and School must sign.

## **Bill for Creation of an Information Systems Minor**

WHEREAS the development of new minors is part of the Academic Affairs New Actions Plan [http://provost.truman.edu/AA\\_New\\_Actions\\_Plan\\_2008.pdf](http://provost.truman.edu/AA_New_Actions_Plan_2008.pdf);

WHEREAS the University Strategic Plan calls for the development of new, mission-appropriate programs in response to national and regional educational needs;

WHEREAS the report from Arts & Science Group, LLC, suggests that Truman State University develop programs in areas that fit with the mission;

WHEREAS the School of Business will no longer offer the Management Information Systems concentration for the BA and BS in Business Administration;

WHEREAS Information Systems is an important area for Business majors;

WHEREAS the minor will permit students to show a specific focus on their transcripts;

WHEREAS the minor will not require any new courses or additional resources;

WHEREAS the minor is distinct from the existing minor in Computer Science;

WHEREAS the minor will not cause an increase in workload on Computer Science faculty;

BE IT THEREFORE RESOLVED that a minor in information Systems be introduced at Truman State University, in the Department of Mathematics and Computer Science;

BE IT FURTHER RESOLVED that the Information Systems minor be structured as described below.

### **Proposed new minor: Information Systems**

CS Majors cannot earn an Information Systems minor.

Students cannot earn both an Information Systems minor and a Computer Science minor

#### **Required courses:**

**CS 170** Introduction to Computer Science I Credits: 3 hours or **CS 180** Foundations of Computer Science I Credits: 3 hours

**CS 171** Introduction to Computer Science II Credits: 3 hours or **CS 181** Foundations of Computer Science II Credits: 3 hours

**CS 360** Systems Analysis and Design Credits: 3 hours

**CS 430** Database Systems Credits: 3 hours

**Elective courses:**

Choose either two courses from Group A, or one course from Group A and one course from Group B.

**Group A:**

**CS 260** Object-Oriented Programming and Design Credits: 3 hours  
**CS 315** Internet Programming Credits: 3 hours  
**CS 370** Software Engineering Credits: 3 hours

**Group B:**

**MATH 325** Intro to Operations Research Credits: 3 hours  
**MATH 400** Methods of Optimization Credits: 3 hours  
**BSAD 401** Project Management Credits: 3 hours  
**BSAD 542** Decision Support Systems Credits: 3 hours

### **Minor: Information Systems**

Affiliation: School of Science & Mathematics  
Department of Mathematics and Computer Science.

CS Majors cannot earn an Information Systems minor.  
Students cannot earn both an Information Systems minor and a Computer Science minor

The Information Systems Minor requires the successful completion of 18 semester hours of the following courses or their equivalents, at least 9 of which must be taken at Truman State University.

#### **Required courses:**

**CS 170** Introduction to Computer Science I Credits: 3 hours or **CS 180** Foundations of Computer Science I Credits: 3 hours  
**CS 171** Introduction to Computer Science II Credits: 3 hours or **CS 181** Foundations of Computer Science II Credits: 3 hours  
**CS 360** Systems Analysis and Design Credits: 3 hours  
**CS 430** Database Systems Credits: 3 hours

#### **Elective courses:**

Choose either two courses from Group A, or one course from Group A and one course from Group B.

##### **Group A:**

**CS 260** Object-Oriented Programming and Design Credits: 3 hours  
**CS 315** Internet Programming Credits: 3 hours  
**CS 370** Software Engineering Credits: 3 hours

##### **Group B:**

**MATH 325** Intro to Operations Research Credits: 3 hours  
**MATH 400** Methods of Optimization Credits: 3 hours  
**BSAD 401** Project Management Credits: 3 hours  
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