**PROGRAM CHANGES**

 WEBER STATE UNIVERSITY

**Submission Date:**

**College: Goddard School of Business & Economics**

**Department**: **Business Administration**

**Program Title: A.S. in Information Systems & Technologies**

**PROGRAM DESCRIPTION:**

**No description in the catalog**

Check all that apply:

\_\_\_\_New course(s) required for major, minor, emphasis, or concentration.

\_\_x\_Modified course(s) required for major, minor, emphasis, or concentration.

\_\_x\_Credit hour change(s) required for major, minor, emphasis, or concentration.

\_\_x\_Credit hour change(s) for a course which is required for the major, minor, emphasis, or concentration.

\_\_\_\_Attribute change(s) for any course.

\_\_\_\_Program name change.

\_\_x\_Deletion of required course(s).

\_\_\_\_Other changes (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If multiple changes are being proposed, please provide a summary. Use strikeout (~~strikeout~~) when deleting items in the program and highlight (highlight) when adding items.

**Submit the original to the Faculty Senate Office, MC 1033,** and an **electronic copy to** kbrown4 @weber.edu

**JUSTIFICATION:**

Housed in the Goddard School of Business & Economics, Information Systems and Technologies (IST) offers very unique 2-year and 4-year programs preparing students with knowledge and skills both in information technologies and in business.  IST graduates are expected to be able to analyze business problems and apply appropriate information technology to solve them.  During the past decade, not only has the information technology industry changed tremendously (such as the emergence of wireless computing technologies and related network technologies and information security mechanisms), the business industry in general has also been greatly impacted by those changes (such as the application of those new technologies and the development of new web applications).  To continue preparing our students adequately for the industry, it is critical that the IST curriculum changes accordingly. Certain formerly required courses would be more appropriately offered as electives, certain formerly elective courses would be more appropriately offered as required courses, certain outdated courses would no longer need to be offered, and certain courses need to change in number of credit hours in order to strengthen or reduce coverage of certain industry content.  As course structures change, prerequisite relationships also need to be adjusted.

**INFORMATION PAGE**

Attach a copy of the present program from the current catalog and a revised version (exactly as you wish it to appear in the catalog).

**(Please See Attachments)**

Did this program change receive unanimous approval within the Department? **YES** If not, what are the major concerns raised by the opponents?

Explain any effects this program change will have on program requirements or enrollments in other departments including the Bachelor of Integrated Studies Program. In the case of similar offerings or affected programs, **you should include letters from the departments in question stating their support or opposition to the proposed program**.

**None**

Indicate the number of credit hoursfor course work within the program. (Do not include credit hours for General Education, SI, Diversity, or other courses unless those courses fulfill requirements within the proposed program.) **\_25\_**

Indicate the number of credit hours for course work within the current program. (Do not include credit hours for General Education, SI, Diversity, or other courses unless those courses fulfill requirements within the current program.) **\_30\_**

**(Note: Cat Tracks currently lists the undergraduate program requirement as a total of 123 credit hours. The proposed program will require 120 credit hours, satisfying university requirements.)**

 APPROVAL PAGE

for: **A.S. Information Systems and Technologies**

Approval Sequence:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Department Chair/Date (& BIS Director if applicable)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

College Curriculum Committee/Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_N.A.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Program Director or ATE Director (if applicable)/Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dean of College/Date

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| Courses required in programs leading to secondary undergraduate teacher certification must be approved by the University Council on Teacher Education before being submitted to the Curriculum Committee. \_\_\_\_\_\_\_\_\_\_\_\_\_\_N.A.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ University Council on Teacher Education/Date  |

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| Master’s program changes must be reviewed by the University Graduate Council before being submitted to the Curriculum Committee. I have read the proposal and discussed it with the program director.\_\_\_\_\_\_\_\_\_\_\_\_\_\_N.A.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_University Graduate Council Representative/Date |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

University Curriculum Committee/Date

Passed by Faculty Senate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date

Effective Date (As per PPM 4-2a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ATTACHMENT 1: CATALOG CHANGES

**Current Program:**

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| **Major Course Requirements for AS Degree****Courses Required (30 credit hours)*** [IST 2010 TE - Business Computer Skills](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(1)**
* [~~IST 2015 - Introduction to Information Systems & Technologies~~](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137)**~~Credits:~~****~~(1)~~**
* [IST 2110 - Software Development I](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [IST 2410 - Information Systems Architecture](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [~~IST 2720 - Data Structures and Algorithms~~](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137)**~~Credits:~~****~~(3)~~**
* [IST 3210 - Database Design and Implementation](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **~~(4)~~**
* [ACTG 2010 - Survey of Accounting I](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [ECON 2010 SS - Principles of Microeconomics](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [ECON 2020 SS - Principles of Macroeconomics](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [QUAN 2600 - Business Statistics I](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [~~BTNY 1403 LS – Environment Appreciation~~](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137)**~~Credits:~~****~~(3-4)~~**
* [BSAD 2899 – Business Foundations & Admission Assessment](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits: (0)**
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**Proposed Program:**

## Major Course Requirements for AS Degree

### Courses Required (25 credit hours)

* [IST 2010 TE - Business Computer Skills](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(1)**
* [IST 2110 - Software Development I](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [IST 2410 - Information Systems Architecture](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [**IST 3210 - Database Design and Implementation**](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137)**Credits:** **(3) (Credits changed from 4 to 3)**
* [**IST 3610 - Networks & Data Communications I**](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2134)**Credits: (3) (Credits changed from 4 to 3)**
* **BSAD 2899 - Business Foundations and Admission Assessment Credits: (0) (already in catalog)**
* [ACTG 2010 - Survey of Accounting I](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [ECON 2010 SS - Principles of Microeconomics](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**
* [ECON 2020 SS - Principles of Macroeconomics](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**

[QUAN 2600 - Business Statistics I](http://catalog.weber.edu/preview_program.php?catoid=6&poid=2137) **Credits:** **(3)**

1. Change 30 credit hours to 25 credit hours
2. Delete “IST2015 Introduction to Information Systems & Technologies Credit: (1)”
3. Delete “IST2720 Date Structures and Algorithms (3)”
4. Change “IST3210 Database Design and Implementation” from 4 credit hours to 3 credit hours
5. Add “IST3610 Networks & Data Communications (3)”
6. Delete “BTNY 1403 Environment Appreciation (3-4)”

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| **Associate of Information Systems & Technologies Suggested Planning Guide (Current)** |
|  |  |  |  |
| **Freshman** | **Freshman** |
| Gen Ed: BTNY LS 1403 Environment Appreciation | 3 | Gen Ed: LIBS/BSAD 2704 Info Res. Bus. Disciplines\*\* | 1 |
| Gen Ed: ENGL EN 1010 Introductory College Writing  | 3 | Gen Ed: ENGL EN 2010 Intermediate College Writing  | 3 |
| Gen Ed: American Institutions (AI) | 3 | **Gen Ed: ECON SS 2010 Principles of Microeconomics (BF)** | 3 |
| ~~IST 2015 Introduction to IS&T~~ | ~~1~~ | Gen Ed: Humanities (HU)/(DV)\*\*\* | 3 |
| **Gen Ed: IST 2010 Business Computer Skills (CIL)\* (BF)** | 1 | Gen Ed: Social Science (SS)/(DV)\*\*\* | 3 |
| Gen Ed: MATH QL 1050 College Algebra | 4 | IST 2410 Information Systems Architecture | 3 |
| Total Credits | ~~15~~ | Total Credits | 16 |
| **Sophomore** | **Sophomore** |
| **ECON SS 2020 Principles of Macroeconomics (BF)** | 3 | **ACTG 2010 Survey of Accounting I (BF)** | 3 |
| Gen Ed: Creative Arts (CA)/(DV)\*\*\* | 3 | Gen Ed: Physical Science (PS) or Life Science (LS)/(DV)\*\*\* | 3 |
| Gen Ed: Physical Science (PS) | 3 | ~~IST 2720 Data Structures & Architecture~~ | ~~3~~ |
| IST 2110 Software Development I | 3 | IST 3210 Database Design & Implementation | ~~4~~ |
| Gen Ed: Humanities (HU) or Creative Arts (CA)/(DV)\*\*\* | 3 | **QUAN 2600 Business Statistics I (BF)** | 3 |
|   |   | **BSAD 2899 Business Foundations & Admission Assessment** | 0 |
| Total Credits | 15 | Total Credits | ~~16~~ |

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| **Associate of Information Systems & Technologies Suggested Planning Guide (Proposed)** |
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|  |  |  |  |
| **Freshman** | **Freshman** |
| Gen Ed: BTNY LS 1403 Environment Appreciation | 3 | Gen Ed: LIBS/BSAD 2704 Info Res. Bus. Disciplines\*\* | 1 |
| Gen Ed: ENGL EN 1010 Introductory College Writing  | 3 | Gen Ed: ENGL EN 2010 Intermediate College Writing  | 3 |
| Gen Ed: American Institutions (AI) | 3 | **Gen Ed: ECON SS 2010 Principles of Microeconomics (BF)** | 3 |
| **Gen Ed: IST 2010 Business Computer Skills (CIL)\* (BF)** | 1 | Gen Ed: Humanities (HU)/(DV)\*\*\* | 3 |
| Gen Ed: MATH QL 1050 College Algebra | 4 | Gen Ed: Social Science (SS)/(DV)\*\*\* | 3 |
|  |  | IST 2410 Information Systems Architecture | 3 |
| Total Credits | 14 | Total Credits | 16 |
| **Sophomore** | **Sophomore** |
| **ECON SS 2020 Principles of Macroeconomics (BF)** | 3 | **ACTG 2010 Survey of Accounting I (BF)** | 3 |
| Gen Ed: Creative Arts (CA)/(DV)\*\*\* | 3 | Gen Ed: Physical Science (PS) or Life Science (LS)/(DV)\*\*\* | 3 |
| Gen Ed: Physical Science (PS) | 3 |  IST 3610 Networks & Data Communications I |  3 |
| IST 2110 Software Development I | 3 | IST 3210 Database Design & Implementation | 3 |
| Gen Ed: Humanities (HU) or Creative Arts (CA)/(DV)\*\*\* | 3 | **QUAN 2600 Business Statistics I (BF)** | 3 |
|   |   | **BSAD 2899 Business Foundations & Admission Assessment** | 0 |
| Total Credits | 15 | Total Credits | 15 |