Southern Illinois University- Carbondale
AAS in Computer Information Systems (Programming Option)
to BS in Information Systems Technologies
(2014-2015 Catalog)

Southern Illinois University
Carbondale, IL  62901
Phone:  (618) 453-7253
Website:  http://isat.siu.edu

Contact Persons:  Elaine Atwood, Academic Advisor, Information Systems Technologies
(618) 453-7200, atwood@siu.edu

MCC and SIUC have entered into a Program Articulation Agreement between the AAS in Computer Information Systems (Programming Option) and the BS in Information Systems Technologies. The agreement takes full advantage of SIUC’s Capstone Option, making it possible for completion of the bachelor’s degree in 60 hours beyond the AAS degree.

Information Systems Technology is a baccalaureate degree major designed to prepare students for careers in work settings that rely on computerized information technologies. Graduates will have good computer application skills as well as an understanding of the principles of organizations and systems, including an awareness of technological, economic, political, social, and cultural factors. Career opportunities are found in banks, credit unions, insurance companies, manufacturing operations, hospitals, government offices, social service agencies, any work setting where there are computers.

SIUC offers the IST major related coursework through online delivery, as well as in the classroom.

Admission
A McHenry County College graduate receiving an AAS in Computer Information Systems – Programming Option will be accepted for the Capstone Option and admission to SIUC’s Information Systems Technologies program, depending on space availability, if the following are met:

- Completion of SIUC undergraduate admissions application and admission to the University
- Minimum cumulative 2.00 GPA on all accredited work received prior to the awarding of the AAS degree as calculated by SIUC
- Completion of at least 15 credit hours of transferable SIUC University Core Curriculum credit, as noted on the second page of this guide
- Completion of the major related courses specified on the second page of this guide

A McHenry County College graduate receiving an AAS in Computer Information Systems, but not meeting Capstone Option requirements, will be admitted into the program if:

- SIUC entrance requirements are met
- Selective admission criteria is met

These students may require more than 60 semester hours to complete the Information Systems Technologies degree.

Note: SIUC’s Dual Admission Program allows baccalaureate oriented freshman students at community colleges to benefit from pre-advisement through SIUC for a chosen major at SIUC. For more information: http://admissions.siu.edu/dap/
## Education Plan

### AAS in Computer Information Systems

The following courses satisfy MCC’s AAS in Computer Information Systems degree and requirements to be considered for admission to SIUC’s Capstone Program for the BS in Information Systems Technologies.

<table>
<thead>
<tr>
<th>General Education Core</th>
<th>Credit Hours</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Communications         | 6            | ______ ENG151 Composition I (grade of C or better)  
|                        |              | ______ SPE151 Introduction to Speech |
| Mathematics, Physical or Life Sciences | 3 | ______ Select 1 course from following:  
|                        |              | Mathematics: MAT120, 150, 158, 161, 165, 170, 171, 175, 220, 245, 253, 255, 260  
|                        |              | Physical Sciences: CHM115, 164, 165, 166, 170, 265, 266; EAS120, 170, 171, 180, 185; GEG107, 123, GEL105, 110; PHY280, 281, 291, 292, 293  
|                        |              | Life Science: BIO110, 130, 137, 157, 158, 255; *GEG220/221; HRT103  
| Social & Behavioral Sciences | 3 | ______ Select 1 course from following:  
|                        |              | ECO150; PSY151; SOC151 |
| Humanities & Fine Arts | 3            | ______ Select 1 course from following:  
|                        |              | Humanities: PHI251  
|                        |              | Fine Arts: ART *150, 151, 153, 155, 165, 175, 253; ENG250; JRN 180; MUS 151, 153, *154, 171, 172; THE151 |
| Business Core          | 6            | (3) BUS 145 Business Applications of Mathematics  
|                        |              | (3) BUS 150 Intro to Business |
| Business Core Electives| 4            | ACC151 Financial Accounting  
|                        |              | For the additional 1 credit requirement, choose from courses listed in the catalog with prefix ACC, AOM, BUS, MGT, and MKT |
| CIS Program Core       | 22           | (2) AOM 131 Intro to Windows Spreadsheet Applications  
|                        |              | (2) AOM 132 Intro to Database Sys  
|                        |              | (3) CDM 110 Computer Literacy  
|                        |              | (1) CDM 120 Computer Ethics  
|                        |              | (2) CDM 130 Windows Operating Sys  
|                        |              | (2) CIS 133 Intern Database Systems  
|                        |              | (2) NET 140 Intro to UNIX  
|                        |              | (3) NET 110 Network+ Cert. Prep  
|                        |              | (2) NET 180 Computer Security Awareness  
|                        |              | (3) PRG 110 C++ Programming I |
| Programming Option     | 9            | (3) CIS 275 Systems Design  
|                        |              | (3) PRG 130 Java Programming I |
| Programming Option Electives | 10 | (2) CDM 140 Computer Hardware Basics  
|                        |              | (1-2) CDM 250 Internship in CDM  
|                        |              | (1-4) CDM 290 Topics in CDM  
|                        |              | (2) CIS 232 Advanced Database Sys.  
|                        |              | (3) PRG 230 JAVA Programming II  
|                        |              | (2) WEB 101 Internet Technologies  
|                        |              | (3) WEB 115 HTML & CSS |

Total Degree Credits: 66

*IAI GECC articulated courses equivalent to SIUC courses that are not a part of SIUC’s general core. These courses will not be automatically assigned to SIUC’s general core. Students will need to speak with their SIUC advisor for adjustment.

### Additional Courses You Can Complete Through MCC

**Please Note:** SIUC will accept a maximum of 78 credits from a community college. This policy is effective for students beginning their academic careers in higher education Summer 2013. If you meet this criteria, you may select up to another 12 credits from following options. **It is very important to work with the SIUC contact person noted on the first page of this guide when selecting additional coursework.**

**SIUC General Education Requirements**

- **Math/Sciences** - SIUC’s Capstone Program requires 1 Math course, 1 Life Science course and 1 Physical Science course. If you follow the course options in the chart above, you will have completed one of these requirements in the AAS degree. You may select additional coursework to satisfy SIUC’s requirements from approved courses listed in the chart above.
- **Social Science** – Two of the following courses are required. If you follow the course options in the chart above, you will have completed one course through your AAS degree. You may select one more course: ECON150, PSY151, SOC151
- **Humanities and Fine Arts** – PHI251 and a Fine Arts course are required. If you follow the course options in the chart above, you will have completed one of the requirements through your AAS degree. Select additional coursework from approved courses listed in the chart above.
- **Multicultural Diversity in the US** – One course is required: ENG275, HIS141, 170, MUS154; PHI158, 160, 261, SOC175, 260, 261; SPE251, 265. Please note that a single course can satisfy only one general education/core curriculum requirement.
<table>
<thead>
<tr>
<th>Term ______</th>
<th>Term _______</th>
<th>Term ______</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term ______</th>
<th>Term _______</th>
<th>Term ______</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term ______</th>
<th>Term _______</th>
<th>Term ______</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>