



NEW PROGRAM PROPOSAL FORM

Sponsoring Institution(s): St. Charles Community College

Program Title: Management Information Systems

Degree/Certificate: Associate of Science

Options: Click here to enter text.

Delivery Site(s): SCC Main Campus

CIP Classification: 52.1201

\*CIP code can be cross-referenced with programs offered in your region on MDHE's program inventory highered.mo.gov/ProgramInventory/search.jsp

Implementation Date: August, 2015

Cooperative Partners: None

\*If this is a collaborative program, form CL must be included with this proposal

AUTHORIZATION:

Dr. Michael B. Dompierre/Asst. VP A&SA [Signature] September 29, 2014

Name/Title of Institutional Officer Signature Date

Rex McKanry (636) 922 - 8289

Person to Contact for More Information Telephone



**PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS**

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Institution Name      St. Charles Community College  
Program Name         AS Management Information Systems  
Date    9/29/14

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

**1. Student Preparation**

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.  
None
- Characteristics of a specific population to be served, if applicable.  
General student population with an interest in pursuing a BS in Management Information Systems.

**2. Faculty Characteristics**

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.  
Masters Degree or higher
- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.  
50% of credit hours will be assigned to full time faculty
- Expectations for professional activities, special student contact, teaching/learning innovation.  
Ongoing professional development is required of all full-time faculty

**3. Enrollment Projections**

- Student FTE majoring in program by the end of five years.  
35
- Percent of full time and part time enrollment by the end of five years.  
75% full time, 25% part time

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#### 4. Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.  
Three years – 5 graduates per annum, Five years – 10 graduates per annum
- Special skills specific to the program.  
Scientific skills necessary to successfully transfer to a BS program in a Management Information Systemsrelated field.
- Proportion of students who will achieve licensing, certification, or registration.  
NA
- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.  
[Click here to enter text.](#)
- Placement rates in related fields, in other fields, unemployed.  
NA
- Transfer rates, continuous study.  
90%

#### 5. Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. **If there are no plans to seek specialized accreditation, please provide a rationale.**  
College accredited by HLC no program specific accreditation to be sought

#### 6. Alumni and Employer Survey

- Expected satisfaction rates for alumni, *including timing and method of surveys.*  
90% 180 days after graduation; mailed survey followed up my telephone
- Expected satisfaction rates for employers, including timing and method of surveys.  
NA

#### 7. Institutional Characteristics

- Characteristics demonstrating why your institution is particularly well-equipped to support the program.  
Currently St. Charles Community College offers several related AAS degree options in computer science, accounting, management, marketing and finance with supporting course

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work that are potentially relevant to a student interesting in transferring to a Bachelor program if they receive guidance as to which specific coursework their transfer institution will accept. SCC currently has a dedicated Technology building with numerous specialized labs and an open lab. In Fall 2014 5 full-time computer science faculty members taught the equivalent of 5.6 FTE and 21 adjunct faculty taught the equivalent of 8.2 FTE. Also in Fall 2014 5 full-time accounting, business, and economics faculty members taught the equivalent of 6.7 FTE and 23 adjunct faculty taught the equivalent of 7.7 FTE.



PROGRAM STRUCTURE

A. Total credits required for graduation: 60 - 67

B. Residency requirements, if any: 15

C. General education: Total credits: 30 - 34

Courses (specific courses OR distribution area and credits):

Course Number	Credits	Course Title
Mathematics	10 - 13	
ENG-101	3	English Composition I
SPE-101	3	Oral Communications
Communication	3	1 of the following: English Composition II or Business Writing
Natural Science	4 - 5	
Social Science	3	1 course must comply with provisions of Section 170.011 RsMo
Humanities	3	
COL-101	1	College Success Seminar

D. Major requirements: Total credits: 30 - 33

Course Number	Credits	Course Title
CPT-103	3	Microcomputer Applications
CPT-105	3	Computer\Business Ethics
CPT\CPM\CPC\ACT\BUS	24 - 30	Courses in Major For Transfer Institution*
		*Currently developing articulation agreements in management information systems with Missouri State Univ., Southeast Missouri State Univ., and Webster Univ. Plans are to work with additional four-year partners as appropriate.

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E. Free elective credits:

0

(Sum of C, D, and E should equal A.)

F. Requirements for thesis, internship or other capstone experience:

None

G. Any unique features such as interdepartmental cooperation:

Interdepartmental courses between Computer Science, Networking, Multimedia, Business, and Accounting

## Two-Year Plan Associate of Science Management Information Science

### Year One

#### Semester One

Course	Title
MAT-190 or MAT-162 ENG-101	Calculus and Analytic Geometry I College Algebra- STEM English Composition I
CPT-103 CPT/BUS-105	Microcomputer Applications Computer/Business Ethics
<b>Total:</b>	

#### Semester Two

Course	Title
MAT-230 or MAT-150 ENG-102 or ENG-125 HIS-101 or HIS-102 or HIS-115 or HIS-270 or POL-101 or POL-102	Calculus and Analytic Geometry 2 Trigonometry English Composition II or Business Writing US History to 1877 or US History Since 1877 or US History Since 1945 or History of Missouri or American Government or State & Local Government
CPI-	Course in Major For Transfer Institution
CPI-	Course in Major For Transfer Institution
<b>Total:</b>	

### Year Two

#### Semester One

Course	Title
SPE-101	Oral Communications

ART-101 or	Art Appreciation
ART-150 or	Survey of Western Art History I: Prehistory to End of the Middle Ages
ART-160 or	Modern and Contemporary Art History
ART-170 or	Design I
MUS-111 or	Music Appreciation
MUS-112 or	Jazz Appreciation
MUS-231 or	Music History I
MUS-232 or	Music History II
THE-122 or	Introduction to Theater
THE-123 or	Introduction to Cinema
THE-124 or	History of Film
LIT-ANY or	Any Literature Course
PHL-ANY or	Any Philosophy Course
ARB-ANY or	Any Arabic Course
FRN-ANY or	Any French Course
GRM-ANY or	Any German Course
SPN-ANY	Any Spanish Course

CPT-	Course in Major For Transfer Institution
CPT-	Course in Major For Transfer Institution
CPT-	Course in Major For Transfer Institution

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**Total:**

**Semester Two**

Course	Title
MAT-175	Introductory Statistics
PHY-240/PHY-243	College Physics I / College Physics I Laboratory
or	Introduction to Physical Geology / Introduction to Physical Geology Laboratory
PHY-125/127 or	Introduction to Physical Science / Introduction to Physical Science Laboratory
PHY-111/113 or	Introduction to Chemistry / Introduction to Chemistry Laboratory
CHM-101/103 or	Human Biology / Human Biology Laboratory
BIO-110/113	

CPT-	Course in Major For Transfer Institution
CPT-	Course in Major For Transfer Institution

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**Total:**

Credits

5 / 4

3

3

3

13 - 15

Credits

5 / 3

3

3

3

3

16 - 18

Credits

3

3

3  
3  
3  

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15

**Credits**  

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3  
5 / 4

3  
3  

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13 - 14



## STUDENT ENROLLMENT PROJECTIONS

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Year	1	2	3	4	5
Full Time	10	15	20	25	30
Part Time	5	10	10	10	10
Total	15	25	30	35	40

Please provide a rationale regarding how student enrollment projections were calculated:

Based on current enrollment in Computer Science upper level courses, transfer data, and student and enrollment services feedback.

Provide a **rationale** for proposing this program, including **evidence of market demand and societal need supported by research**:

According to the United States Department of Labor between 2012 and 2022 the number of job openings for computer systems analysts will see an estimated increase of 24.5%, which is approximately two and half times higher than the average increase for all occupations of 10.8%. The median annual salary in this high demand occupation in 2012 was \$79,680. Since the typical entry-level education is a Bachelor's degree it is very important for SCC to provide a seamless pathway to transfer to the 4-year institutions for our graduates. (Source: <http://data.bls.gov/oep/noeted>)