



STUDENT ENROLLMENT PROJECTIONS

| Year | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------|---------|---------|---------|---------|---------|
| Full Time | 22 | 35 | 52 | 50 | 50 |
| Part Time | 78 | 77 | 77 | 80 | 80 |
| Total | 100 | 112 | 129 | 130 | 130 |

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

Because this was an existing option for the Information Systems program, our enrollment projections are based upon existing enrollment and trends.

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

This program has existed as one of four state approved options within Information System for many years. During a large revision of the program in Spring 2013, STLCC submitted incorrect paperwork to MDHE, essentially eliminating all four option areas. STLCC has managed this program as a freestanding program for some time because it did not share a core of coursework with other programs with the same prefix ("Information Systems"). This proposal seeks to have the program reinstated with a changed title to avoid similar errors in the future. The title for this freestanding program should be Software Developer.



A. Total credits required for graduation: 67

B. Residency requirements, if any: _____

C. General education: Total credits: 19

Courses (specific courses OR distribution area and credits):

| Course Number | Credits | Course Title |
|------------------|---------|---------------------------------------|
| ENG101 | 3 | College Composition I |
| ENG102 or ENG103 | 3 | College Composition or Report Writing |
| MTH160 | 4 | College Algebra |
| | 3 | Natural Science/Math Elective |
| | 3 | Missouri State Requirement |
| | 3 | Social Science elective |

Other requirement:

Physical Education Activity, 2 credits

D. Major requirements: Total credits: 46

| Course Number | Credits | Course Title |
|---------------|---------|--|
| ACC110 | 4 | Financial Accounting |
| BUS104 | 3 | Introduction to Business Administration |
| IS107 | 3 | Introduction to Programming |
| IS110 | 3 | Program Design and Development |
| IS112 | 3 | Software and Hardware Concepts |
| IS139 | 3 | Web Publishing |
| IS225 | 3 | Database Management |
| IS229 | 3 | UNIX/Linux I |
| IS241 | 3 | Systems Analysis and Design |
| IS240 | 3 | SQL and Database Development |
| IS262 | 3 | Advanced Software Development |
| | 6 | Select a two-course sequence from Visual Basic, C++, or Java |
| | 6 | Select two courses from 200-level IS courses |

E. Free elective credits:

zero

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

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

G. Any unique features such as interdepartmental cooperation:

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PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name St. Louis Community College
Program Name Software Developer
Date September 17, 2013

(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.
none

2. Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.
All faculty have bachelor's degrees in the field and/or 6+ years of related industry experience. Many have master's degrees in addition to many years of experience. All adjuncts are working professionals in the industry
- 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.
The credit hours of this program to be assigned to full time faculty is estimated to be from 30-60% of the total program.
- Expectations for professional activities, special student contact, teaching/learning innovation.
[Click here to enter text.](#)

3. Enrollment Projections

- Student FTE majoring in program by the end of five years.
130

- Percent of full time and part time enrollment by the end of five years.
40% full time; 60% part time

4. Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.
40 graduates after 3 years and 50 graduates per year after 5 years
- Special skills specific to the program.
The ability to think logically, pay attention to details, work with abstract concepts, perform technical analysis, strong interpersonal and communication skills.
- Proportion of students who will achieve licensing, certification, or registration.
Students will be prepared for entry level positions as software developers.
- 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.
A 90% placement rate is expected.
- Transfer rates, continuous study.
[Click here to enter text.](#)

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.**
[Click here to enter text.](#)

6. Alumni and Employer Survey

- Expected satisfaction rates for alumni, *including timing and method of surveys.*
90% satisfaction of Alumni surveyed 90 days after graduation
- Expected satisfaction rates for employers, including timing and method of surveys.
90% satisfaction of employers surveyed 90 days after graduation

7. Institutional Characteristics

- Characteristics demonstrating why your institution is particularly well-equipped to support the program.

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St. Louis Community College has been offering this program as an option in Information Systems for many years with a continually growing enrollment. We expect that it will continue to thrive as a standalone program.

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