



**NEW PROGRAM PROPOSAL FORM**

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**Sponsoring Institution(s):** St. Charles Community College

**Program Title:** Chemistry

**Degree/Certificate:** Associate of Science

**Options:** Click here to enter text.

**Delivery Site(s):** SCC Main Campus

**CIP Classification:** 40.0501

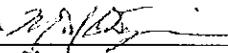
\*CIP code can be cross-referenced with programs offered in your region on MDHE's program inventory [highered.mo.gov/ProgramInventory/search.jsp](http://highered.mo.gov/ProgramInventory/search.jsp)

**Implementation Date:** August, 2014

**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  1/28/2014

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Name/Title of Institutional Officer	Signature	Date
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Elizabeth (Beth) Michael-Smith 636-922-8652

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Person to Contact for More Information	Telephone
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## **Rationale for the program**

Saint Charles Community College is committed to Student Success. We are committed to providing the finest instruction, resources, and support services to enhance the growth and development of our students. Currently the students in general education who want to major in Chemistry have difficulties completing their degree in a timely manner. The 42-hour General Education requirements of the Associate of Arts degree requires hours of humanities and social sciences that are not required for a Bachelor of Science degree. It also does not leave available enough elective hours to fulfill the field specific math and science hours required to successfully transfer to a four year program. Therefore, our Chemistry majors need three additional years of education after their A.A. degree to complete their program. The Associate of Science degree will make it possible for our Chemistry majors to complete a Bachelor of Science degree in two years after graduation. This will benefit both our students and our society as we will be able to produce critically need STEM graduates in a shorter period of time.

## 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 Chemistry upper level transfer courses and student feedback.

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

[Click here to enter text.](#)



## PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

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Institution Name      St. Charles Community College  
Program Name          AS Chemistry  
Date      1/29/14

(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 a Chemistry related field.

### 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 Chemistry related 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.  
SCC currently has 2 chemistry labs and a dedicated prep room. In Fall 2013 3 full-time faculty member taught the equivalent of 3.7 FTE and 9 adjunct faculty taught the equivalent

of 4.4 FTE. There is a 0.5 FTE lab assistant primarily serving Chemistry backed up by a 0.5 FTE lab assistant who primarily serves Biology.