



Missouri Department of Higher Education

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NEW PROGRAM PROPOSAL FORM

Sponsoring Institution(s): St. Louis Community College

Program Title: Land Surveying Technology - Geomatics

Degree/Certificate: Certificate of Proficiency

Options: N/A

Delivery Site(s): St. Louis Community College - Florissant Valley

CIP Classification: 15.1102 (Please provide a CIP code)

Implementation Date: Summer 2012

Cooperative Partners: N/A

AUTHORIZATION:

Dr. Donna E. Dare, Vice Chancellor of Academic and Student Affairs

*Donna E. Dare* 1/31/12

Name/Title of Institutional Officer

Signature

Date

Richard Unger

314-513-4319

Person to Contact for More Information

Telephone



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### COLLABORATIVE PROGRAMS

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**Sponsoring Institutions:** St. Louis Community College

**Degree program:** Land Surveying Technology - Geomatics

**Length of agreement:** Not Applicable

(open-ended or limited)

1. Which institution(s) will have degree-granting authority?  
N/A
2. Which institution(s) will have the authority for faculty hiring, course assignment, evaluation, and reappointment decisions?  
N/A
3. What agreements exist to ensure that faculty from all participating institutions will be involved in decisions about the curriculum, admissions standards, exit requirements?  
N/A
4. Which institution(s) will be responsible for academic and student-support services, e.g., registration, advising, library, academic assistance, financial aid, etc.?  
N/A
5. What agreements exist to ensure that the academic calendars of the participating institutions have been aligned as needed?  
N/A
6. In addition to the information provided by each participating institution regarding Financial Projections (Form FP), please address the following items:
  1. How will tuition rates be determined if they differ among the institutions?  
N/A
  2. Has a formal agreement been developed regarding cost-sharing policies? If yes, please include it as part of the proposal. If no, please summarize the current understanding between all parties and the plans for developing a formal agreement.  
N/A
  3. What arrangements, if any, have been made for exchange of money between participating institutions?  
N/A
7. What commitments have been made by all participants to evaluate the program systematically?

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## PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

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Institution Name      St. Louis Community College  
Program Name          Land Surveying Technology - Geomatics  
Date      September 12, 2011

(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.)

### 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.  
No special preparation will be required
- Characteristics of a specific population to be served, if applicable.  
N/A

### Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.  
Faculty shall be a qualified professional in a related field study
- 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.  
Full time faculty shall be assigned an estimated 25% of credit hours per semester
- Expectations for professional activities, special student contact, teaching/learning innovation.  
Faculty shall attend professional development in related field

### Enrollment Projections

- Student FTE majoring in program by the end of five years.  
31 students
- Percent of full time and part time enrollment by the end of five years.  
Full Time: 42%      Part Time: 58%

### Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.

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Third Year: 10 Fifth Year: 15

- Special skills specific to the program.  
Graduates of the program, upon completing the practical experience requirements as set forth by the Board of Registration, will be able to take the Land Surveying Training Exam
- Proportion of students who will achieve licensing, certification, or registration.  
70%
- 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.  
70% of graduates taking Land Surveying Training Exam will pass
- Placement rates in related fields, in other fields, unemployed.  
In Land Surveying: 70% In related fields: 20% Unemployed: 10%
- Transfer rates, continuous study.  
25%

#### Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide reasons.  
No accreditation agency assembled for proposed program

#### Alumni and Employer Survey

- Expected satisfaction rates for alumni, including timing and method of surveys.  
Expected satisfaction: 80% Distributed to alumni once every calendar year
- Expected satisfaction rates for employers, including timing and method of surveys.  
Expected satisfaction: 80% Distributed to employers once every calendar year

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PROGRAM STRUCTURE

A. Total credits required for graduation: 36 to 38 credits

B. Residency requirements, if any: None

C. General education: Total credits: 24 to 26 credits

Courses (specific courses OR distribution area and credits):

Table with 4 columns for course entry and credit counts.

D. Major requirements: Total credits: Click here to enter text.

Table with 4 columns for course entry and credit counts.

E. Free elective credits: (24 to 26) + 12 = (36 to 38) (Sum of C, D, and E should equal A.)

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

G. Any unique features such as interdepartmental cooperation:

Program was designed to provide students interdepartmental cooperation between math, physics, geology and astronomy departments

Land Surveying Technology – Geomatics Certificate of Proficiency FV

Table listing courses and credits for Career General Education.

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PSI: 111	Introduction to Astronomy I (AND)	
PSI:115	Observational Astronomy.....	4-5
<b>II. Area of Concentration</b>		<b>6 credits</b>
CE:240	Surveying I.....	3
CE:247	Legal Aspects of Boundary Surveying.....	3
<b>III. Electives</b>		<b>6 credits</b>
CE:244	Introduction to GIS.....	3
CE:245	Introduction to Global Positioning System(GPS).....	2
CE:246	GPS Application Lab.....	1
CE:253	Surveying Office Practices.....	3
CE:108	Construction Methods.....	3
CE:248	Fundamentals of Land Surveying.....	3
CE:250	Surveying II.....	3
Program total.....		36-38 credits



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**STUDENT ENROLLMENT PROJECTIONS**

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Year	1	2	3	4	5
Full Time	5	7	9	11	13
Part Time	10	12	14	16	18
Total	15	19	23	27	31

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Form SE - Student Enrollment Projections