Program Change Request

Date Submitted: 02/29/16 8:36 am

Viewing: -CER,CER-LSCR-MINOR : Land Surveying Non-Degree Certificate

Last edit: 02/29/16 10:03 am
Submitted to workflow by: Hecox, Renee (n78m117)

Overview

Department: Civil Engineering (CE)
College: College of Engineering
Academic Level: Undergraduate
Program Type:

In Workflow
1. Associate Provost
2. CE CC Chair
3. CE Head
4. EN CC Chair
5. EN Dean
6. CPC Chair
7. Financial Aide
8. Faculty Senate Chair
9. Associate Provost
10. Deans Council
11. Regents
12. Accreditors
13. Registrar

Approval Path
1. 02/29/16 10:04 am
   Ron Larsen (x22m626): Approved for Associate Provost
2. 02/29/16 11:04 am
   Joel Cahoon (q85v674): Approved for CE CC Chair
3. 02/29/16 12:13 pm
   Jerry Stephens (g58m619): Approved for CE Head
4. 03/03/16 8:01 am
   Rob Maher (x53z232): Approved for EN CC Chair
5. 03/17/16 2:15 pm
   Christine Foreman (c35g474): Approved for EN Dean
6. 04/14/16 12:40 pm

https://nextcatalog.montana.edu/courseLeaf/approve?role=Faculty%20Senate%20Chair
Certificate

Please review this program for financial aid eligibility.

Suggested Program Code:

Degree Code: Certificate-(CER-)
Certificate - more than one year less than two (CER-)

Program Title
Land Surveying Non-Degree Certificate

Abbreviated Program Title
Land Surv Non-Deg Certificate

Effective catalog when new program will be available to students: 2016-2017

One Paragraph Description of Program:
This change is to request deactivation of Land Surveying Certificate.

Program Details

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRVY 230</td>
<td>Intro to Srvyg for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>SRVY 273</td>
<td>Route Surveying</td>
<td>3</td>
</tr>
<tr>
<td>or ECIV 350</td>
<td>Transportation Engineering</td>
<td></td>
</tr>
<tr>
<td>SRVY 355</td>
<td>Surveying Calculations</td>
<td>3</td>
</tr>
<tr>
<td>SRVY 361</td>
<td>Intro Legal Princ in Surveying</td>
<td>3</td>
</tr>
<tr>
<td>SRVY 362</td>
<td>Public Land Survey System</td>
<td>3</td>
</tr>
<tr>
<td>SRVY 375</td>
<td>Analytic Photogrammetry and Remote Sensing</td>
<td>2</td>
</tr>
</tbody>
</table>
SRVY 474  Project Design in Surveying  
In addition students must complete any three (9 credits) of the following list of 3-credit courses:

AGBE 337  Agricultural Law
DDSN 245  Civil Drafting
ECIV 456  Highway Geometric Design
GPHY 284  Intro to GIS Science & Cartography
GPHY 357  GPS Fund/App in Mapping
GPHY 384  Adv GIS and Spatial Analysis
GPHY 426  Remote Sensing
GPHY 457  Adv GPS Mapping for GIS
GPHY 484R  Applied GIS & Spatial Analysis

Total Credits  29

Resources

Will additional faculty resources be required to implement this program change? 
Please Explain:

Are other, additional resources required to ensure the success of the program? 
Please Explain:

Accreditation Information

Resources

Budget projections for first three years of operation:
(revenues and expenditures)

Institutional support to be provided, including sources of funds:
Physical facilities and equipment to be provided to the new program, including sources:

**Student Services**

Capacity of student services to accommodate the change:

*(If applicable)*

**Library and Information Resources**

Adequacy and availability of required library and information resources:

**Additional Information**

Additional Information

This request is to deactivate the Land Surveying Non-Degree Certificate. Currently, two land surveying programs are offered through the Civil Engineering Department: a Land Surveying Minor and a Land Surveying Non-Degree Certificate. A primary motivation for both programs is to prepare individuals to pursue registration as professional land surveyors.

Reasons for this request to deactivate the Certificate:

1) Recent changes in the educational requirements to sit for the Fundamentals of Surveying (FS) Exam enacted by the MT Board of Professional Engineers and Professional Land Surveyors have complicated satisfying these requirements through either a minor degree program or a certificate. Compliance with the educational requirements is more readily realized by completion of a minor in land surveying in conjunction with a major degree program, rather than completion of a stand alone non-degree certificate. Thus, at this time, the CE Department has focused on revising the requirements of the land surveying minor, which when then coupled with coincident award of a four year degree, will qualify our students to sit for the FS Exam.

2) Demand for the Land Surveying Certificate has been very low, with a single such certificate issued since its inception approximately 5 years ago. Several students have and continue to pursue the Land Surveying Minor.

Supporting Documents

Course Reviewer Comments

https://nextcatalog.montana.edu/course/leaf/approve/?role=Faculty%20Senate%20Chair
Rollback: Hi Jerry--Could you please provide the rationale for deleting the certificate in the "Additional Information" box of the form? I think I understand why this is being done, but it would be helpful to have the rationale included in the actual deactivation request for archival purposes. Thanks. -- Rob

RWL: We'll need to send this to the Board for moratorium and deactivation.