Level I Program Form

I Summary of Proposed Changes

<table>
<thead>
<tr>
<th>Department/program</th>
<th>Applied Computing and Electronics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary</td>
<td>We propose to offer a new “Certificate of Technical Skills” entitled “Recycling Technician” This career associated with CIP codes 15.0506, 15.1503 with an expected increase in demand.</td>
</tr>
</tbody>
</table>

II Endorsements and Approvals

Please obtain approval from the Program Chair/Director, the Dean and the Associate Provost.

<table>
<thead>
<tr>
<th>Requestor: B.E. Layton</th>
<th>Phone: x7865</th>
<th>Date: Sep 16, 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td>Date</td>
<td>Dean’s Signature</td>
</tr>
<tr>
<td>Program Chair/Director:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signature</td>
<td>Date</td>
<td>Final Review in Provost’s Office</td>
</tr>
<tr>
<td>Other affected programs:</td>
<td></td>
<td>Faculty Senate Review</td>
</tr>
<tr>
<td>Signature</td>
<td>Date</td>
<td>Provost Review</td>
</tr>
</tbody>
</table>

Are other departments/programs affected by this modification because of:
(a) required courses incl. prerequisites or corequisites,  
(b) perceived overlap in content areas  
(c) cross-listing of coursework  

NO

III Type of Level I Proposal (please check the appropriate space)

- (a) Re-titling existing majors, minors, options, or certificates  
- (b) Eliminating existing majors, minors, or options. (submit with BOR program termination checklist)  
- (c) Adding new minors or certificates where there is a major*  
- (d) Adding new minors or certificates where there is an option in a major*  
- (e) Departmental mergers and name changes  
- (f) Program revisions – for minor modifications use the program modification form*  
- (g) Distance or online delivery of previously authorized degree or certificate program  
- (h) Adding option within an existing major or degree *  
- (i) Eliminating organizational units such as departments, divisions and colleges or schools *  
- (j) Consolidating existing programs and/or degree *  
- (k) New certificate of 29 or fewer credits *  

*Requires BOR Curriculum Proposal Form submitted to the Provost’s Office (refer to http://www.umn.edu/provost/faculty/curriculum/LevelII/default.php)

IV Catalog Language

If you are proposing a change to an existing program or major, please cut and paste the requirements as they appear in the current catalog below.

www.umn.edu/catalog

Please provide the proposed copy as you wish it to appear in the catalog.

The Recycling Technician Certificate of Technical Skills (CTS) prepares students for employment in the waste management, recycling and packaging industries. With an increased demand for workers with advanced skills in materials identification, materials repurposing, and waste reduction this certificate has the potential to provide a pathway to career opportunities in both post-consumer waste recovery and upcycling as well as repurposing of existing artifacts. Special emphasis is placed on hands-on activities such as developing protocols for collection, transportation, sorting, cleaning and reprocessing for the purpose of avoiding landfill mass and returning materials to the technosphere. ANSI-IREC
standards will be adhered to throughout the course. Students may be required to purchase tools and books.

Please explain/justify the new proposal or change. ↓

We are compelled to offer this new 16-credit certificate under our current $25M Department of Labor Trade Adjustment Act Community College Career Training (TAACCCT) grant entitled Strengthening Workforce Alignment in Montana’s Manufacturing and Energy Industries (SWAMMEI). Please see attached courses for full details.

| What other programs are affected by your proposal? | None |
| Obtain signatures as requested below. | |

**V Department Summary** Required if several proposals are submitted. In a separate document list program title and proposed change for all proposals. See attached.

**VI Copies and Electronic Submission** After all signatures have been obtained submit the signed original and electronic file to the Faculty Senate Office, UH 221.

Revised