## ACADEMIC SENATE PROPOSAL TRACKING SHEET

(Document To Be Originated By the Academic Senate Secretary On Canary Color Paper)

| Proposal # 13-17                     | Title: Certificate of Applied Science in Electrical Technology - New         |
|--------------------------------------|--|
| (Proposal explanation, submitter and | college dean signatures on attached program/degree or course revision form.) |

All proposals MUST have their originating college faculty body (Ex. Arts & Sciences, Education and Nursing; Technical Sciences) approval and must be signed by the submitter and the college dean before being submitted to the Academic Senate Secretary.

- 1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms or General Education Inclusion form) to the Academic Senate Secretary. NOTE: Level 1 or Level 2 forms must be submitted concurrent with this proposal where applicable. For Education proposals, PEU approval must be received prior to forwarding the proposal to the Senate.
- 2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): General Education (if applicable), or Curriculum. A transmittal e-mail will be sent to the Recording Secretary of the receiving committee, cc Provost's Administrative Assistant, by the Academic Senate Secretary. A digital copy of the proposal will be linked on the Academic Senate Proposal page by the Academic Senate Secretary.
- 3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is returned to the Academic Senate Secretary for forwarding to the next committee. If a committee disapproves the proposal, the originator may request that the item be forwarded to the next body for consideration. The committee will provide written rationale to the originator, via the Academic Senate, when a proposal is disapproved and the proposal is returned to the originator. Upon completion of committee action, the proposal will be returned to the Academic Senate Secretary, and a transmittal e-mail sent by the Committee Recorder to the Senate Secretary, cc Provost's Administrative Assistant.
- 4. The Academic Senate considers the proposal and recommends approval or disapproval. If approved, the proposal is forwarded to the Provost for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration, utilizing the procedures set forth in the Senate Bylaws. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
- 5. Approved proposals will be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor. From this point forward, the Provost's Administrative Assistant will update the Proposal page on the website by contacting the webmaster.
- The Chancellor approves or disapproves the proposal.
- 8. The proposal will then either be implemented or referred to MSU for further action. The tracking page on the Provost site will be updated as required.

Subcommittee and Academic Senate college representatives will notify their respective colleges' of the progress of submitted proposals or the proposal may be tracked via the web page -- <a href="http://www.msun.edu/admin/provost/senate/proposals.htm">http://www.msun.edu/admin/provost/senate/proposals.htm</a>

Documentation and forms for the curriculum process is also available on the web page: <a href="http://www.msun.edu/admin/provost/forms.htm">http://www.msun.edu/admin/provost/forms.htm</a>

\*\*\*\*\*(If a proposal is disapproved at any level, it is returned through the Academic Senate secretary and the Senate President, to the Dean of the submitting college who then notifies the originator.

|                                    | Date     | Action Taken                    | Signature                               | Date     | Comments/Reason for<br>Disapproval | Sent to             | Date     | Transmittal<br>E-mail sent |
|------------------------------------|----------|---------------------------------|---|----------|------------------------------------|---------------------|----------|----------------------------|
| *Abstract                          |          | Copy to Senate                  | E-v E - Val                             |          |                                    |                     |          |                            |
| received by                        |          | President. Forward              |   |          |                                    |                     |          |                            |
| Senate Secretary                   |          | to Provost.                     |   |          |                                    |                     |          |                            |
| *Provost                           |          | ☐ Abstract Approved             |   |          |                                    |                     |          |                            |
|                                    |          | Disapproved                     |   |          |                                    |                     |          |                            |
| Received by<br>Senate Secretary    | 01/14/14 | Tracking form initiated         | Erudes Caren                            | 01-14-14 |                                    | Gen Ed<br>Committee | 01/15/14 | 01/15/14                   |
| General Education<br>Committee (if |          | Approved                        | 320000000000000000000000000000000000000 | 0.1      |                                    |                     |          |                            |
| applicable)                        |          | ☐ Disapproved                   |   |          |                                    |                     |          |                            |
| Curriculum                         |          | Approved                        |   |          |                                    |                     |          |                            |
| Committee (if applicable)          |          | ☐ Disapproved                   |   |          |                                    |                     |          |                            |
| Academic Senate                    |          | ☐ Approved                      |   |          |                                    |                     |          |                            |
|                                    |          | Disapproved                     |   | -        |                                    |                     |          |                            |
| Full Faculty (if necessary)        |          | ☐ Approved                      |   |          |                                    |                     |          |                            |
|                                    |          | Disapproved                     |   |          |                                    |                     |          |                            |
| Provost                            |          | Approved                        |   |          |                                    |                     |          |                            |
| Chancellor                         |          | ☐ Disapproved ☐ Approved        |   |          |                                    |                     |          |                            |
| Chancenor                          |          |                                 |   |          |                                    |                     |          |                            |
|                                    |          | Disapproved                     |   |          |                                    |                     |          |                            |
| MSU                                |          | ☐ Approved                      |   |          |                                    |                     |          |                            |
|                                    |          | ☐ Disapproved                   |   |          |                                    |                     |          |                            |
| BOR                                |          | Approved                        |   |          |                                    |                     |          |                            |
|                                    |          | Disapproved                     |   |          |                                    |                     |          |                            |
| NWCCU                              |          | Approved                        |   |          |                                    |                     |          |                            |
|                                    |          | Disapproved                     |   |          |                                    |                     |          |                            |
| Provost                            |          | Advise originating              |   |          |                                    |                     |          |                            |
|                                    |          | college and                     |   |          |                                    |                     |          |                            |
|                                    |          | Academic Senate of              |   |          |                                    |                     |          |                            |
|                                    |          | status. Update Web              |   |          |                                    |                     |          |                            |
| Desistan                           |          | page.                           |   |          |                                    |                     |          |                            |
| Registrar                          |          | Catalog/Policy<br>Manual Update |   |          |                                    |                     |          |                            |

NOTE: The secretary of the Academic Senate will update the Academic Senate Proposal web page from initial receipt until the proposal reaches the Provost. The Provost's Administrative Assistant will ensure that the current status of each proposal is maintained on the Academic Senate Proposal web page from that point forward.

\*Abstract and pre-approval required for new programs ONLY.

Academic Senate Form 1 (Revised 3/21/2012)

## PROGRAM/DEGREE REVISION FORM

| NEW X DROPPED   | MAJOR REVIS  | SION FOR INFORMATION ONLY _                    |      |            |
|---|--------------|--|------|------------|
| College Montana State University - Northern                 | Program Area | Electrical Technology                          | Date | 10/24/2013 |
| College of Technical Sciences Submitter Trygve C. Magelssen | Chair/Dean   | Sugry D. Kegel                                 | Date | 1.14.2014  |
| Signature   |              | Signature (indicates "college" level approval) |      | <b>6</b>   |

Please provide a brief explanation & rationale for the proposed revision(s).

A Certificate of Applied Science in Electrical Technology will enhance and proliferate MSU-Northern program availability without the addition of extra classes or expense due to the curriculum being the same classes already offered in the first year of the Associates of Applied Science degree program. The certificate program will provide a means of learning basic electrical theory, fundamental knowledge, and hands-on skills pertaining to the field of electricity, in one year, to students in other disciplines, graduates of other programs, individuals interested in only a one-year stay or those students interested in staying in school for another year for whatever reason. This program will also supplement a well-rounded knowledge for those pursuing careers in other fields, those interested in industrial technology, business, sales, or employment in the electrical, plumbing, carpentry trades, education, or provide a mechanism for individuals who want a certificate in all four of the COTS trades programs with the possibility of being hired by or becoming a general contractor.

Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.

Proposal Title: Certificate of Applied Science in Electrical Technology

Current Program Listed in 12-13 Catalog

Proposed Program for 14-15 Catalog

| Current Program Listed in 12-13 Catalog |          |              |         | Proposed Program for 14-15 Catalog |          |  |                |
|---|----------|--------------|---------|------------------------------------|----------|--|----------------|
| Course<br>Prefix                        | Course # | Course Title | Credits | Course<br>Prefix                   | Course # | Course Title                                     | Degree Credits |
| TISHA                                   |          |              |         | ELEC                               | 101      | Electrical Fundamentals I                        | 3              |
|   |          |              |         | ELEC                               | 137      | Electrical Drafting                              | 2              |
|   |          |              |         | ELEC                               | 106      | Electrical Formulas and Calculations             | 3              |
|   |          |              |         | ELEC                               | 103      | Electrical Code - Codeology                      | 3              |
|   |          |              |         | HPE                                | 234      | First Aid and CPR (or approved card/certificate) | 2 (or 0)       |
|   |          |              |         | WRIT                               | 108      | Elementary Technical Writing                     | 3              |
|   |          |              |         | ELEC                               | 102      | Electrical Fundamentals II                       | 3              |
|   |          |              |         | ELEC                               | 133      | Basic Wiring                                     | 5              |
|   |          |              |         | ELEC                               | 139      | Electrical Code Study - Residential              | 3              |
|   |          |              |         | ELEC                               | 111      | Meters and Motors                                | 3              |
|   |          |              |         | ELEC                               | 236      | Conduit, Raceways, and Code Calculations Lab     | 3              |
|   |          |              |         |                                    |          |  |                |
|   |          |              |         |                                    |          |  |                |
|   |          |              |         |                                    |          |  |                |
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|   |          |              |         |                                    |          |  |                |
|   |          |              |         |                                    |          |  |                |
|   |          |              |         |                                    |          |  |                |
|   | -        | TOTAL        |         |                                    |          | TOTAL  | 33 or 31       |
|   |          | TOTAL        |         |                                    |          | TOTAL  | 33 or 31       |

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

October 24, 2013

To: Larry Strizich

From: Trygve 'Spike' Magelssen

Subject: Board of Regents approved Certificate of Applied Science in Electrical Technology

Dear Sir:

I respectfully submit a recommendation to add a Board of Regents Certificate of Applied Science in Electrical Technology to our Electrical Technology program. It is my belief that a certificate portion of our program will enhance and proliferate MSU-Northern program availability without the addition of extra classes or expense due to the curriculum being the same classes already offered in the first year of the Associates of Applied Science degree program. The certificate program will provide a means of learning basic electrical theory, fundamental knowledge, and hands-on skills pertaining to the field of electricity, in one year, to students in other disciplines, graduates of other programs, individuals interested in only a one-year stay or those students interested in staying in school for another year for whatever reason.

This program will also supplement a well-rounded knowledge for those pursuing careers in other fields, those interested in industrial technology, business, sales, or employment in the electrical, plumbing, carpentry trades, and education. Availability of a certificate in electrical technology can provide a mechanism for individuals who want a certificate in all four of the COTS trades programs with the possibility of being hired by or becoming a general contractor.

I have revised the curriculum to meet the General Education requirements of communications and have submitted a request for course revision in the Electrical Code-Codeology (ELEC 103) to meet the needs for interpersonal communications between the electrician and various Authorities Having Jurisdiction (AHJ)s. The program has been prepared to have the prerequisite fundamentals classes, along with the First Aid and CPR and the Writing 108 class in the first semester and requires Conduit Raceways, and Code Calculations (ELEC 236) along with Meters and Motors (ELEC 111) to be taken in the Spring semester. I believe the course load would be acceptable at 16 credits the first semester and 17 credits the second semester.

Respectfully yours in service,

Ingre Moal

Trygve C. Magelssen

## **Lourdes Caven**

From: Sent: **Lourdes Caven** 

Wednesday, November 20, 2013 8:17 AM

To:

Andrew Johnson; Barbara Zuck; 'Bruce Mansfield (bmansfield@msun.edu)'; 'Byron Ophus'; Dustin Falk; 'Greg Kegel'; 'Gregory Clouse'; James Kirkpatrick; 'Jay Howland'; Jeremy Hofman; Jeremy Siemens; 'Kevin Carlson'; 'Kevin Johnson'; 'Krista Milligan'; 'Lanny Wilke'; 'Larry Strizich'; Lorren Schlotfeldt; Lourdes Caven; Mary Brown; 'Mary Verploegen'; Paul Dettmann; Rodney Ridenour; 'Steven Don'; 'Tom Welch'; Trygve "Spike" Magelssen; 'Virgil Hawkinson'; 'Wane Boysun'; 'William Danley'; William Taylor New Proposal Request #2

**Subject:** 

**Attachments:** 

Electrical Certificate New Program-Degree Request.pdf

Tracking:

| Recipient                               | Response                     |
|---|------------------------------|
| Andrew Johnson                          | Approve: 11/20/2013 12:07 PM |
| Barbara Zuck                            | Reject: 11/20/2013 8:27 AM   |
| 'Bruce Mansfield (bmansfield@msun.edu)' |                              |
| 'Byron Ophus'                           |                              |
| Dustin Falk                             | Approve: 11/20/2013 11:12 AM |
| 'Greg Kegel'                            |                              |
| 'Gregory Clouse'                        |                              |
| James Kirkpatrick                       | Approve: 11/20/2013 8:36 AM  |
| 'Jay Howland'                           |                              |
| Jeremy Hofman                           |                              |
| Jeremy Siemens                          |                              |
| 'Kevin Carlson'                         |                              |
| 'Kevin Johnson'                         |                              |
| 'Krista Milligan'                       |                              |
| 'Lanny Wilke'                           |                              |
| 'Larry Strizich'                        |                              |
| Lorren Schlotfeldt                      | Approve: 11/20/2013 8:19 AM  |
| Lourdes Caven                           |                              |
| Mary Brown                              |                              |
| 'Mary Verploegen'                       |                              |
| Paul Dettmann                           |                              |
| Rodney Ridenour                         | Approve: 11/20/2013 12:14 PM |
| 'Steven Don'                            |                              |
| 'Tom Welch'                             |                              |
| Trygve "Spike" Magelssen                | Approve: 11/20/2013 9:08 AM  |
| 'Virgil Hawkinson'                      |                              |
| 'Wane Boysun'                           |                              |
| 'William Danley'                        |                              |
| William Taylor                          |                              |
| Byron Ophus                             | Approve: 11/20/2013 8:29 AM  |

| Recipient       | Response                     |
|-----------------|------------------------------|
| Lanny Wilke     | Approve: 11/20/2013 8:32 AM  |
| Steven Don      | Approve: 11/20/2013 8:51 AM  |
| Mary Verploegen | Approve: 11/20/2013 10:34 AM |
| Larry Strizich  | Approve: 11/20/2013 11:00 AM |
| Wane Boysun     | Approve: 11/20/2013 4:00 PM  |
| William Danley  | Approve: 11/21/2013 9:55 AM  |
| Krista Milligan | Approve: 11/21/2013 12:58 PM |
| Jay Howland     | Approve: 12/2/2013 3:48 PM   |

Please disregard my first email regarding the electrical certificate. There was a correction made on the Elementary Technical Writing course prefix. Here are the updated forms. Please use the attached voting buttons above to vote. Thank you

## Lourdes Caven

Lourdes N. Caven Administrative Associate III College of Technical Sciences Montana State University – Northern P.O. Box 7751 300 13<sup>th</sup> Street West Havre, MT 59501 (406) 265-3736 Phone (406) 265-3741 Fax