Thorson Excellence in Engineering Research (TEER) and Bryan Innovative Instructional Grants Program 2018-2019

Dr. Brett Gunnink, Dean of the College of Engineering, invites applications from tenure track and non-tenure track engineering and computer science faculty for the **Thorson Excellence in Engineering Research (TEER) and the Bryan Innovative Instructional Grants Programs.** The TEER Grant Program has been established through the generosity of Donald R. Thorson, who graduated from MSU in 1949 in Chemical Engineering. Mr. Thorson passed away in 2013 but left a significant and lasting contribution to the MSU College of Engineering (COE) for research development within the college. TEER Grants enable faculty to engage in activities that will enhance research opportunities within the COE. TEER Grants have a maximum award of up to $25,000 each. Grants will be funded as Single Investigator grants of up to $10,000 or as Multiple Investigator grants of up to $25,000. It is anticipated that $60,000 of TEER Grants (two Multiple Investigator and one Single Investigator grants) will be awarded for FY19. A complementary program is the Bryan Innovative Instructional Grants Program that supports the development of improved and innovative instructional content and delivery in the COE. Bryan Grants were made possible through the generosity of brothers John and Charles Bryan. Two Bryan Grants will be awarded for FY19 and are used to provide buy-out support (a maximum of $9,500 per grant which equates to $7,000 buy-out support and $2,500 for benefits). Both grants may support academic year or summer salary coverage.

TEER proposals will be evaluated by the impact on the goals of the TEER Program. The goals are to enhance the following:

- **Faculty Development**

  Examples of activities include, but are not limited to the following:
  - Release time to allow faculty members to develop a major new proposal. Education proposals and proposals to non-traditional funding sources are encouraged.
  - Travel-related proposal development with other institutions
  - Support of a Post Doc to facilitate proposal/publications

- **Center/Institute Development**

  Examples of activities include, but are not limited to the following:
  - Funding to pursue new Center/Institute research initiatives
  - Funding to develop or enhance industrial and private sector collaborations
  - Development of opportunities for new Centers/Institutes within the College of Engineering

- **Research and Educational Infrastructure**

  Examples of activities include, but are not limited to the following:
  - Purchase of research equipment
  - Software acquisition
Bryan proposals will be evaluated by the impact on the goals of the Bryan Program. The goals are to enhance the following:

- **Design improvements in engineering curriculum content and delivery through the application of innovative methods and media**

  Examples of activities include, but are not limited to the following:
  - Development of programs and processes that increase the knowledge, thinking skills, problem solving, and communication skills of engineering students
  - Development of methods to incorporate advances in emerging and educational technologies

**SUBMISSION INSTRUCTIONS**

The following process will be used for AY18-19:

1. Faculty members submit requests for a TEER or Bryan Grant to the Associate Dean for Faculty and Administration in the College of Engineering. In the request, they will describe the activity they propose to engage in and indicate if the activity will occur for Fall, Spring, Summer semesters (or combination). The proposal should include a brief (one-page) overview that clearly describes how the proposed activities will enhance one or more of the goals of the TEER and/or Bryan Grants Program. The submission must also include a budget summary, two-page CV from each Principal Investigator involved, and a statement of time devoted to the project. Please combine these items into one document in PDF format. TEER Grant submissions must also include a list of current and pending research grants. If the budget includes a course buy-out (tenure track faculty), the course buy-out should be budgeted at $9,500 per course ($7,000 per course + $2,500 for benefits). Other budget requests that include faculty time must include the associated benefit cost. Summer salary (include benefits at 20%) is permitted for both grants and will provide a maximum of $9,500 ($7,000 per course + $2,500 for benefits). Extra compensation cannot be included, however incentives such as provision of travel funds is allowable if fully justified in the proposal. Note that Bryan Grants are restricted to release time for one course during the academic year or one month of salary during the summer. **Submissions must be received by the Associate Dean for Faculty and Administration in the College of Engineering by February 9, 2018.**

2. The Dean will share the proposals with the College of Engineering Academic Council members. The Academic Council members will review all requests and submit a prioritized list. Prioritization should address how the proposals will have a substantial impact on the goals of the TEER and Bryan Grant Programs. This prioritization information will be provided to the Dean by **February 20, 2018.** The Dean may consider input from others in the College of Engineering for their ranking. The Dean and the Associate Dean for Faculty and Administration in the College of Engineering will make the final decision by **March 7, 2018.** Faculty will be notified of the decision no later than **the week of March 12, 2018.** TEER and Bryan Grants may commence as early as **May 14, 2018.**
3. Faculty who are successful in securing a TEER Grant will be expected to submit a one-page statement of accomplishments to the Dean within 30 days of grant completion. Final report summaries will be posted on the College of Engineering website.

Questions about the Thorson Excellence in Engineering Research Grants Program should be directed to
Dr. Anne Camper, acamper@montana.edu, Associate Dean of Faculty and Administration
MSU College of Engineering
214 Roberts Hall | Bozeman, MT 59717
www.coe.montana.edu | (406)994-4906

Questions concerning financial matters associated with the Thorson Excellence in Engineering Research Grants Program should be directed to
Kathy Osen, kosen@montana.edu, COE Director of Administration and Finance
MSU College of Engineering
214 Roberts Hall | Bozeman, MT 59717
www.coe.montana.edu | (406)994-5780