Rev. James A. Burns, CSC Post-Doctoral Fellowship Application Instructions
University of Notre Dame Center for STEM Education
Interdisciplinary Program in Educational Research

Position Description and Qualifications

The Notre Dame Center for STEM Education (the Center) is pleased to announce the Rev. James A. Burns, CSC Post-Doctoral Fellowship (Burns Post-Doc) that can begin in either summer or fall 2016. The Burns Post-Doc is part of the new Interdisciplinary Program in Educational Research (IPER:http://iei.nd.edu/programs/interdisciplinary-program-in-educational-research/) at the University of Notre Dame's Institute for Educational Initiatives (the Institute). The Burns Post-Doc will be part of the larger IPER community of faculty and graduate students focused on addressing important issues through research in education.

The Burns Post-Doc will:

1. Define and enact a personal research agenda that contributes to the field through unique studies, peer-reviewed journal articles, and/or grant proposals.
2. Collaborate with the faculty and staff of the Center to contribute to the field through peer-reviewed journal articles, evaluation reports, and/or grant proposals. Opportunities include:
   a. Contributing to the longitudinal STEM Teaching Fellows (http://stemeducation.nd.edu/trustey) efficacy study;
   b. Investigating comparative trends in STEM education for students in Catholic schools and other sectors;
   c. Conducting scale-up randomized trials of STEM-focused curriculum and instruction interventions in partner schools;
   d. Collaborating on interdisciplinary research projects between the Center and other members of the IPER community.
3. Participate in the intellectual life of the IPER community through the seminar and lecture series, presentations, interdisciplinary research, and informal mentoring of graduate students.
4. Contribute to the broader research and evaluation needs of the Institute, with a special focus on quantitative methods.
5. Based on the applicant's background in education and instructional practice, opportunities may be available to teach a course in the Education, Schooling, and Society minor as well as to create and facilitate professional development opportunities within the Trustey Family STEM Teaching Fellows program for K-12 teachers.

Candidates must possess an earned doctorate or the strong prospect of earning this degree by August 1, 2016. The preferred terminal degree is in an area of STEM education or a discipline such as sociology, economics, or psychology, with a focus on educational issues and a background in quantitative methods. Special consideration will be given to those applicants with K-12 teaching experience. Upon successful review of the first year, the post-doctoral fellowship may be extended for a second year through June of 2017.

<u>Application Process</u>

Applicants should submit:
1) a cover letter that at minimum includes: a) the candidate's educational research interests; b) a tentative research agenda that might be pursued during the post-doc, with attention to the range of methodologies the applicant is prepared to use; and c) a description of how the candidate seeks to contribute to both the research and broader impact of the Center for STEM Education;
2) a curriculum vitae;
3) a writing sample (of journal article or chapter length--no full dissertations);
4) three letters of recommendation

Information on the Institute for Educational Initiatives and the Center for STEM Education can be found at http://iei.nd.edu and http://stemeducation.nd.edu, respectively. Applicants will be reviewed beginning February 1, 2016 and on a continuing basis until the position is filled.

Questions about the Burns Post-Doc may be directed to Dr. Matt Kloser at mkloser@nd.edu. All application materials should be submitted electronically to Heather Legault (hlegault@nd.edu). Recommendation letters should be sent directly from the recommender to Heather Legault.

The University of Notre Dame, an international Catholic research university, is an equal opportunity employer.