

*Approved
DKE*

Reappointment, Tenure, and Promotion Standards for Computational Science Teaching Faculty

6.1 Teaching

6.1.1 See the College and School Standards.

6.1.2 An excellent teacher challenges and motivates students; brings excitement to the learning process; exemplifies scientific inquiry; creates an open and supportive atmosphere; is responsive to students' needs; reflects on teaching praxis; and contributes to curriculum development. The Computational Science Program recognizes that there are many ways to achieve excellence in teaching and encourages each faculty member to develop his or her own distinctive way of doing so. It is incumbent upon the faculty member to present evidence of teaching excellence. Excellence in teaching is broadly characterized by:

6.1.2.1 See the College and School Standards.

6.1.2.2 Sound course design and delivery in all teaching assignments, which may include program courses at all levels, General Studies courses, and independent studies.

6.1.2.3 See the College and School Standards.

6.1.2.4 See the College and School Standards.

6.1.3 Where appropriate, additional measures of teaching excellence may be included, as indicated in the College policies.

6.2 Scholarly and Creative Activity

6.2.1 The teacher-scholar model recognizes that a serious and continuing commitment to scholarship or creative activity (or both) enriches teaching and is important for sustaining excellence wherever teaching takes place (in the classroom, in the teaching laboratory, in tutorials and independent studies, or in the field). The Computational Science Program recognizes that each research program, whether it be experimental, theoretical, or computational, has a unique rhythm, bearing fruit on its own particular timeline. Scholarly work may be performed on or off campus. The candidate is encouraged to involve students in his or her research program, if appropriate.

6.2.2 See the College and School Standards.

6.2.3 See the College and School Standards.

6.2.4 As stated in the College Standards, it is always the case that the burden is on the candidate to document the excellence of his or her work. In cases of shared or

multiple authorship, clarification of the degree of the candidate's participation is expected. In cases of conference presentations or proceedings, clarification should be provided with regard to the selectivity of the review process. Broad considerations for the evaluation of scholarly and creative activity include:

6.2.4.1 The capacity to bring scholarly projects to completion, which may be demonstrated by a publication and presentation record, periodic grant reports, patent applications, and manuscripts submitted for publication (for projects that have not yet resulted in publication, inclusion of current unpublished manuscripts accompanied by comments from knowledgeable peers, who may be external to the College, is appropriate)

6.2.4.2 See the College and School Standards.

6.2.4.3 Judgments of the worth and significance of the candidate's scholarship provided by knowledgeable peers, who may be external to the College; professional organizations; funding agencies; conference organizers; and refereeing panels.

6.2.4.4 Appropriate incorporation of the candidate's work into the classroom or teaching laboratory, the record of citations, implementation in public or institutional policies, student involvement in the research program, presentations, and publications.

6.2.4.5 See the College and School Standards.

6.2.4.6 The Computational Science Program understands excellence in a variety of scholarly activities to embody the following:

6.2.4.6.1 See the College and School Standards.

6.2.4.6.2 Articles and other scholarly works should be published in appropriate journals. The quality and importance of the journal may be judged by knowledgeable faculty. College publications such as laboratory manuals and other teaching materials should be evaluated by knowledgeable peers, who may be external to the College. The quality of material submitted to or contained in government documents should be judged by the level of its pre-publication review. The main criterion is the quality of the publications and presentations, not their number.

6.2.4.6.3 Scholarly activity that involves students as co-authors and co-presenters is valued regardless of the venue.

6.2.4.6.4 See the College and School Standards.

6.2.4.6.5 See the College and School Standards.

6.2.4.6.6 Other forms of scholarly activity appearing in emerging media, such as online journals, websites, forums, and blogs, may be included, provided the quality of the work is evaluated by knowledgeable peers, who may be external to the College.

6.2.4.6.7 See the College and School Standards.

6.2.4.6.8 Professional activities undertaken as a practitioner or consultant, including but not limited to serving as a peer reviewer or an external program or department reviewer, serving on editorial boards of scientific or other professional journals and publications, and conducting contract research.

6.2.4.6.9 See the College and School Standards.

6.2.4.6.10 Grants or monetary awards from governmental or non-governmental organizations and subject to external peer review that are funded, reviewed as fundable, or receive positive reviews from the external evaluators and the College faculty are considered examples of scholarship. Unfunded grants may also be used to demonstrate scholarship, if supported by appropriate documentation of favorable judgment by qualified objective sources. Such documentation could include e.g. all reviewer and program director comment sheets.

6.2.4.6.11 See the College Standards.

6.3. College and Community Service

6.3.1 A faculty member in the Computational Science Program may contribute to the achievement of the College's mission by participating in governance activities, such as taking on a leadership role at the Program, School, or College level. The Computational Science Program evaluates these contributions based on their quality rather than their number. These contributions may require the capacity to work collaboratively with other members of the College community and may include activities related to alumni and the College Foundation or other agencies.

6.3.2 See the College and School Standards.

6.3.3 See the College and School Standards.

6.3.4 See the College and School Standards.

6.3.5 See the College and School Standards.