

Ray P. Authement College of Sciences
Criteria for Graduate Faculty Membership

Applications for Graduate Faculty membership are submitted directly to the Graduate School through its website, which also details the University's policies on graduate faculty membership.

Two levels of graduate faculty membership are available at the University: Level I and Level II. Recognizing that the nature of scholarly activities varies among academic disciplines and the recognized peer review process of the work that constitutes sufficient research activity to qualify a faculty member to mentor a graduate student, eligibility for membership on the Graduate Faculty is further defined by these criteria developed by the College of Sciences and approved by the Provost and Vice President for Academic Affairs.

The following criteria apply to all College of Sciences applicants: newly-hired and continuing regular faculty, adjunct faculty and researchers, directors, graduate coordinators, department heads and school directors, associate deans and deans. For newly-hired applicants from the College of Sciences, an initial appointment at Level II will typically be recommended for research-intensive appointments and, for teaching-intensive appointments, a Level I appointment will typically be recommended (although, in each case, applicants must complete the application procedure). For faculty members, affiliated researchers, or research scientists who are not permanent, continuing, and/or tenured/tenure-track faculty members, applications for membership at Level I or Level II shall be considered by the College of Sciences; however, such applications must be supported both by the department head/school director and the Dean of the College of Sciences.

**Criteria for appointment to the Graduate Faculty
specific to the College of Sciences:**

Level I Criteria:

Level I membership qualifies individuals to direct master's theses and to serve as a member of master's and doctoral committees.

For newly-hired individuals (with a terminal degree that was earned three years ago or less) seeking an initial appointment: The applicant must hold a terminal degree in a related field.

For individuals seeking an initial appointment (with a terminal degree that was earned more than three years ago) or reappointment: In addition to holding a terminal degree in a related field, the applicant must demonstrate scholarship within the previous five years. Such scholarship may include peer-reviewed publications, and/or grant activity, and/or prior success in working with Master's and/or undergraduate student research.

Level II Criteria:

Level II membership qualifies individuals to direct dissertations and theses and to serve on master's and doctoral committees.

Individuals seeking Level II membership must meet the requirements for Level I membership. In addition, eligibility for Level II membership requires three or more publications (including in

press) in refereed scientific journals in the previous five-year period. At least two of the publications should be in well-established journal in the applicant's scientific field, and the rest published in journals with a peer review process that meets good standards. The following exception shall be made to the preceding statement: Because of the nature of the field of Computer Science and Informatics, faculty in this field of study may count two out of the three required peer-reviewed publications for Level II membership if they appear in well-established proceedings; the third required publication must be in a journal publication.

Materials not submitted in the required 5-year format will be returned without review.

Additional Department/School Criteria:

Departments within the College may, at their discretion, require additional evidence of scholarly or other professional activities for each membership level; these department criteria must be approved by the Dean of the College of Sciences and included as part of the college criteria. The following Departments have developed additional criteria dedicated to their unit. For such departments, it is the combined College and Department criteria detailed in this document that shall be used in the application review process.

Biology

Level I criteria: Such applications will be evaluated using the criteria in place for the College.

Level II criteria must meet college requirements at a minimum: In addition, the Department of Biology requires applicants for renewal of Level II appointments to have accomplished all of the following in the previous five years:

- A. Authored at least three publications in peer-reviewed journals (either in print or in press);
- B. Submitted at least one proposal for research funding or participation on at least one active grant, as either PI or co-PI (adjuncts outside of academia can present other evidence of research funding); and
- C. Served, as a member or chair, on at least one doctoral student advisory/dissertation committee in the department.

When making recommendations for renewal of Level-II appointments, the Departmental review committee and Department Head can use, at their discretion, exceptional accomplishments in publications or grantsmanship as justification for reappointment in cases of insufficient activity in one of the criteria. These criteria do not apply to new faculty or adjuncts making application for graduate faculty status for the first time; such applications will be evaluated using the criteria in place for the College.

Mathematics

Level I criteria: For Level I membership, the Department of Mathematics requires a terminal degree in mathematical science (e.g., Mathematics, Applied Mathematics, Statistics,

Biomathematics, etc.) for initial appointments. Reappointments require evidence of scholarly activity as stipulated by the college requirements.

Level II criteria must meet college requirements at a minimum: In addition, for Level II membership, the Department of Mathematics requires three or more peer-reviewed publications in the previous five years. At least two of the publications should be regular size (full-fledged) papers (not short notes) in well-established journals in the respective scientific field, and the rest should be published in outlets whose peer review process meets good standards.

The following equivalence system devised in the rubrics for the faculty evaluation in the Department of Mathematics will be used for counting purposes:

- Two refereed conference proceedings or book chapters count as one regular-sized, peer-reviewed journal article
- One article approximately 30 pages or longer in a quality journal counts as two regular-sized articles
- One article in a top-tier journal counts as two regular-sized articles
- Two short notes in top-tier journals count as one regular-sized article
- One book published with a major publisher counts as two peer-reviewed, regular-sized journal articles

Physics

Level I criteria: Such applications will be evaluated using the criteria in place for the College.

Level II criteria must meet college requirements at a minimum: In addition, for Level II membership, the Department of Physics requires as its *Primary criterion*: Three peer-reviewed publications in a five-year period with at least two published in strong professional journals (with impact index 1 or higher).

Secondary criteria (in the order of importance): If the primary criterion is not met (or only partially met), at least two of the following secondary criteria shall be required to qualify for, or to retain Level II membership:

1. Substantial (over \$30,000) new external funding generated in the previous five-year period
2. Invited professional book chapters published
3. Multiple conference presentations (at least three in the previous five-year period) and associated conference proceedings published
4. Evidence of active professional services.

Revised and Submitted for Approval: Fall 2015.

Approved by Dr. James Henderson, Provost and Vice President for Academic Affairs, January 12, 2016.

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Approved by Dr. Jaimie Hebert, Provost and Vice President for Academic Affairs: July 21, 2020.