Graduate Fellowships for Outstanding Research Promise in Science and Mathematics

Your application must consist of the following (in this order) as a single pdf file.

1. **Cover Sheet**. Completely filled out and signed by the applicant, the student's faculty advisor, and the department chair (digital signatures are acceptable). Submit as first page of the application.

2. **Research Proposal**. The proposal should not exceed five pages, must be double-spaced (except literature cited, which can be single spaced), use fonts no smaller than Times 12-point or Arial 11-point, and have 2.5-cm margins. Tables or figures, if included, should be embedded in the text (i.e., five-page limit still applies). The review panel consists of scientists and mathematicians from diverse fields. **Thus, your proposal must be understandable to a general scientist/mathematician who is *not* an expert in your field.** Avoid disciplinary jargon or define specialized terms. The proposal must include, in this order, clear and concise statements of:

   a. **Background**. Describe the broader research area that the proposed research falls under and the relevant specific research that has been conducted. This summary should guide the reader to the clear conclusion that there is an important knowledge gap or need for achieving the goals of your investigation.

   b. **Goals.** State the objective(s) or specific aims of the project. Emphasize how the proposed research is novel or fills a knowledge gap, and is a natural and essential extension of current knowledge.

   c. **Research question(s) or hypotheses.** Provide the scientifically or mathematically compelling questions your research seeks to answer or the explicit hypotheses your research will test. The inclusion of predicted outcomes (based on prior research) may also foster a greater understanding of your proposal.

   d. **Methods.** Describe the methods or procedures that will be used and the resources/facilities (e.g., software, equipment, facilities, organisms, etc.) available to accomplish the work. Where appropriate, discuss collaborations with others where additional expertise, equipment, or services are needed.

   e. **Significance.** Where appropriate, describe how your study is expected to advance the specific discipline, the broader research area, society, and/or the environment.

   f. **Impact on Career.** Describe how involvement in this research is expected to advance your future academic and career goals.

   g. **Timeline.** Show the anticipated completion dates for the major components of the proposed research. This can be written as a narrative or formatted as a table.

   h. **Literature Cited.** Include only sources that were cited within the proposal. Use a consistent citation format that is standard for your discipline (e.g., select a major journal in your field). This section can be single spaced but must fall within the five-page limit.

3. **Curriculum Vitae**. Two page maximum including the following information:

   a. Contact information. Include your full name, department affiliation and professional address (CSUN), lab and mobile phone numbers, CSUN email address, and website (if available).
   b. Undergraduate Education
       1. Degree, year, and major of undergraduate degree(s).
       2. GPA data: (a) overall GPA from the granting institution of the undergraduate degree, (b) cumulative GPA of all undergraduate coursework if different from the overall GPA, and (c) the total number of units (indicate semester or quarter) and GPA of the upper division coursework in the major.
   c. Graduate Education
       1. Degree, expected completion (month/year), and major of degree pursued at CSUN.
       2. If the applicant has transferred previous graduate coursework from another institution for credit in the CSUN Master's program, list the institution(s), dates of attendance (months/years), courses transferred, and GPA.
   d. Honors and Awards. List name of the award, institution or program granting the award, year received, and indicate the amount of any monetary award associated with it.
   e. Research Funding. List name of the award, institution or program granting the award, year received, and the monetary award associated with it.
   f. Previous Research Experience. Include faculty-mentored undergraduate research, internship, etc. Give the project title, a very brief summary of the work, name and title of mentor, and date (years) of work.
   g. Volunteer Service and Other Activities. Include academic or professional clubs, etc.
   h. Professional Presentations. Provide a complete list of authors, indicate the presenter with an asterisk, year, title of presentation, the venue (name of professional society, etc.), and whether it was oral or poster.
   i. Publications. Provide a complete list of authors, year, title, journal (do not abbreviate), volume, and page numbers.
   j. Do *not* include any information in the CV other than that requested here.