

**DEGREE/PROGRAM CHANGE
FORM C
Form Number: C2798**

Fields marked with * are required

Name of Initiator: Susana Perez-Martinez Initiator's Title Admin Assistant 2: Electrical Computer Engineering Email: sperez30@unm.edu Phone Number: 505-277-0206	Faculty Contact Tameem Albash Administrative Contact Susana Perez Martinez Admin Email sperez30@unm.edu Admin Phone 5052772436	Department Electrical & Computer Engineering Branch Date: 10-30-2020
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Associated Forms exist? Yes ▼

Proposed effective term

Semester Please Select ▼ Year 2005 ▼

Course Information

Select Appropriate Program Graduate Degree Program ▼

Name of New or Existing Program PHD Engineering concentration: Computer Engineering (Quantum Information Science emphasis) (new)

Select Category Emphasis ▼ **Degree Type** Ph.D.

Select Action New ▼

Exact Title and Requirements as they should appear in the catalog. If there is a change, upload current and proposed requirements.

See current catalog for format within the respective college (upload a doc/pdf file)

[Form C -Emphasis - QIS.docx](#)

☐ **Does this change affect other departmental program/branch campuses? If yes, indicate below.**

Reason(s) for Request (enter text below or upload a doc/pdf file)

Quantum Information Science (QIS) is a rapidly growing interdisciplinary field, and there is a surge in demand for a quantum-ready workforce, trained in the science and techniques of QIS. Graduating Ph.D. students are highly sought after as researchers in academia, national laboratories, and industry. In order to address this need requires an interdisciplinary curriculum, and our proposed program addresses this need using a flexible approach that fits within our current Ph.D. offering. The University has recognized and supported this direction by funding UNM's membership in the IBM Q Network. And the NSF is supporting a new Assistant Professor hire with the full salary for the first three years

Upload a document that includes justification for the program, impact on long-range planning, detailed budget analysis and faculty workload implications. (upload a doc/pdf file)

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☐ **Are you proposing a new undergraduate degree or new undergraduate certificate? If yes, upload the following documents.**

Upload a two-page Executive Summary authorized by Associate Provost. (upload a doc/pdf file)

Upload memo from Associate Provost authorizing go-ahead to full proposal. (upload a doc/pdf file)