



THE UNIVERSITY OF ARIZONA
AEROSPACE AND MECHANICAL ENGINEERING DEPARTMENT
 is offering **A MASTER'S DEGREE IN**
THE RELIABILITY ENGINEERING OPTION

Qualifications

All Engineering, Mathematics and Physics students with a Bachelor's degree may qualify for this special option

Reliability Engineering Courses

Fall Semester

1. AME500A - Advanced Engineering Analysis (3) I
2. AME 472/572 - Reliability Engineering (3) I
3. AME 473/573 - Engineering Design by Reliability (3) I
4. AME 474/574 - Reliability and Quality Analysis (3) I
5. AME 696 G - Graduate Seminar (1) I

Spring Semester

6. AME 500B-Advanced Engineering Analysis (3)II
7. AME 575 - Reliability Testing (3) II
8. AME 576 - Advanced Engineering Design by Reliability (3) II
9. AME 577 - Maintainability Engineering (3) II
10. AME 696G - Graduate Seminar (1) II

11. Select two (2) courses from those in the left side of one of four (4) fundamental areas taught in the AME Department. These fundamental areas appear in the AME Graduate Handbook.
12. Those desiring to take courses in addition to those in Item 11, consult Dr. Kececioğlu.

Special Arrangement for Those in Government or Industry

Special arrangements will be made for those currently in government or industry who would like to pursue a Master's degree with a Reliability Engineering option while being fully or partially supported by their respective employer. Those who qualify and have the required background may be able to obtain their Master's degree within approximately 16 calendar months. Most of the required courses may be taken through videotapes for off-campus study via the unique CONTINUING EDUCATION program via videotapes.* Some residency is required for off-campus students to complete their Master's degree.

About Reliability Engineering

Reliability Engineering provides the theoretical and practical tools whereby the probability and capability of parts, components, products and systems to perform their required functions without failure in specified environments for desired periods, and their maintainability, availability, safety, and quality can be predicted, designed-in, tested, demonstrated and calculated from available or newly generated data.

Demand for Reliability Engineers

The demand for formally trained Reliability Engineers is very high and is increasing. The University of Arizona is the only university that provides such a comprehensive Master's degree program with a Reliability Engineering option. The salaries received by Engineering graduates with a Reliability Engineering background have been between \$100 and \$300 a month more, which reflects the great demand for formally educated Reliability Engineers and the short supply thereof. Industry and government agencies are urged to send qualified personnel to this program to meet their needs for top-grade Reliability Engineers.

Reliability Engineering Research

Reliability Engineering research is conducted at The University of Arizona, for which Research Assistantships, Research Associateships and Research Fellowships are available.

<p>*Continuing Education</p> <p>Courses in the Reliability Engineering Option are videotaped, and then the rights to view them are sold at a nominal cost. The videotapes may be viewed at government and industry premises at times convenient to the employees. Graduate credit is granted to those who are admitted to the Graduate College upon application.</p>	<p>For Additional Information Please Write to:</p> <p>Dr. Dimitri B. Kececioğlu Aerospace and Mechanical Engineering The University of Arizona 1130 N. Mountain Ave. Bldg. 119 P.O. Box 210119 Tucson, Arizona 85721-0119 or Call: 520-621-6120 FAX: 520-621-8191 E-Mail: dimitri@u.arizona.edu www.u.arizona.edu/~dimitri/</p>	<p>Ph.D. Studies</p> <p>Studies toward a Ph.D. may also be pursued in either aerospace or Mechanical Engineering Minor by those who qualify. The Ph.D. dissertation would be in Reliability Engineering or closely allied fields.</p>
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