Abstract

The Department of Fire Protection Engineering (FPE) offers a world-class environment for advanced graduate study and research in the broad area of fire safety. The department offers a Master of Science (M.S) degree and a Master of Engineering (M.Eng.) degree. The mission of the FPE Department is to reduce the burden of fire losses on life and property by providing the highest quality of scientifically-based education, research, and outreach in fire protection engineering, and in fire-related safety, health and environmental issues. The FPE graduate program provides the unique interdisciplinary academic foundation and scholarly training needed to address complex engineering problems with emphasis on advancing the field of fire protection engineering.

The educational objectives of the FPE M.S. and M.Eng degree programs are to produce graduates who:

- Have the technical knowledge and skills needed to practice fire protection engineering locally, nationally and internationally in a variety of modern professional settings;
- Have the ability to understand and communicate societal, environmental, economic and safety implications of engineering decisions on the local and global communities;
- Are prepared to participate in the development and promotion of fire protection engineering and assume technical and/or business leadership positions.

Some additional educational objectives specific to the FPE M.S. degree program are to produce graduates who:

- Appreciate the importance of scientific research as a mechanism to strengthen the technical basis of fire protection engineering.
- Have the basic competencies needed to pursue advanced studies (e.g., Ph.D.) in fire protection engineering or related fields.

The program is designed to stimulate intellectual growth, increase the level of objective understanding of the physical world and further develop capabilities for analysis and synthesis in order to produce premier fire safety engineers and/or researchers.

Financial Assistance

The Department of Fire Protection Engineering offers several types of financial support through various research or teaching assistantships. Students are also encouraged to seek other external funding opportunities, for instance via University of Maryland work-study programs and internships available in fire laboratories and FPE consulting companies in the Baltimore-Washington area. For more details, see the department’s graduate guide available at http://www.fpe.umd.edu/grad.

Contact

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See http://www.fpe.umd.edu/research/labs for a description of the experimental and computer laboratories available in the Department of Fire Protection Engineering.