

**Modeling and Simulation Graduate Program
Batten College of Engineering and Technology
Old Dominion University**

**ONLINE MASTER'S DEGREE PROGRAM
IN
MODELING AND SIMULATION**

The Batten College of Engineering and Technology at Old Dominion University is pleased to announce that its Master's Degree Program in Modeling and Simulation now is available online. Students having access to reliable high speed Internet service can connect and participate in engaging discussion and distributed learning with the instructor and other students using Polycom's PVX Video Conferencing Software. The PVX software turns the student's PC into a video conferencing system that provides two-way audio and video to bring distance students into the live classroom with on-campus students.

The M&S Master's Program consists of ten academic courses, five core courses that are taken by all students and five approved elective courses that are selected to address a specific area of interest within M&S. All courses are offered in a one-meeting-per-week format and are scheduled in the late afternoon or evening (Eastern Standard Time) for the convenience of part-time students. All course materials are distributed and collected electronically.

Core Courses

- MSIM 601 – Introduction to Modeling and Simulation (offered fall and spring)
- MSIM 505 – Introduction to Discrete Event Simulation (offered spring)
- MSIM 605 – Engineering System Models (offered fall)
- MSIM 641 – Visualization I (offered fall)
- MSIM 651 – Analysis I (offered spring)

Elective Courses

- MSIM 703 – Optimization Methods and Models (offered spring)
 - MSIM 720 – Real-Time and Continuous Simulation (offered fall)
 - MSIM 723 – Enterprise and Complex System Dynamics (offered spring)
 - MSIM 725 – Principles of Combat Modeling and Simulation (offered spring)
 - MSIM 795 – System Safety in Modeling and Simulation (offered fall)
- (Additional elective courses available online will be developed over time)

Interested perspective students are referred to the Program web site: www.eng.odu.edu. Select menu items Academics/Academic Programs/ Modeling and Simulation.

