



HOW DO I GET AN M&S OFFICER IN MY ORGANIZATION?

The MOVES Subspecialty Code and Degree Program

The MOVES (Modeling, Virtual Environments, and Simulation) degree prepares military officers and DoD civilians to design, develop, manage, and evaluate modeling and simulation systems. The 24-month Masters degree program is based around core topics including: software design and development, statistical analysis, human factors and training, virtual environment technology, combat modeling, and networking. Students are required to complete further specialization in concentration areas including: agents and artificial intelligence, web-based visual simulation, and management and acquisition. To complete the requirements for sub-specialty designation, students are also required to complete a thesis project. This project is the capstone achievement of their experience at NPS. It requires students to connect abstract theoretical knowledge with practical implementation constraints to address a military relevant problem. Thesis work is focused on producing tangible, credible and useful results.

The Challenge of Modeling and Simulation for the Department of Defense

The Chief of Naval Operations has called for a revolution in training. DMSO reports that over 20% of the DoD budget is spent on modeling and simulation related activities. As our military and missions evolve to respond to increasingly agile and unpredictable threats, the role of modeling and simulation will only increase. To capitalize on modeling and simulation's promise, the Department of Defense needs officers with a strong tactical background who have a thorough understanding of the capabilities and limitations of emerging technology. Efficient cost-effective application of M&S technology requires first-person knowledge of the mission and operating environment. Uniformed experts in modeling and simulation will be vital to meeting the challenges ahead.

What MOVES Graduates Can Do For Your Command

In addition to developing critical analysis skills, MOVES graduates are adept at all aspects of modeling and simulation. They will excel in any billet that involves needs identification, specification, design, development, acquisition, use, or analysis. Typical skill sets include the ability to:

- Identify areas where modeling and simulation technology can improve tactical proficiency or operational effectiveness
- Specify requirements for a modeling and simulation system
- Conduct or oversee training systems and evolutions
- Evaluate human performance and man-machine interfaces

How to Make the MOVES Degree Work for You

MOVES graduates are detailed to billets with a 6202 sub-specialty code (Navy), FA-57 (Army), or MOS 9625 (Marine Corps). If there are billets in your command that would benefit from the expertise of the MOVES curriculum, contact the program sponsor for details on coding and filling these billets. If you have recommendations for strengthening or adapting the curriculum or would like information on research directions please contact our Director.

Contact Information

For help identifying and coding billets please contact the appropriate MOVES Program Sponsor:

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For information on the MOVES curriculum and research directions please contact the MOVES Director:

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