



Department of Computer Science

Enrollment Form for Modeling and Simulation Certificate in Computing and Informatics

Name (Last, Middle, First): _____

ODU UIN: _____ Email: _____

Mailing Address: _____

City/State/Zip or Postal Code: _____

**** A minimum of Bachelor's degree is required for admittance into the certificate program. Please either submits a copy of your diploma or a copy your transcripts that show the degree conveyed.***

Degree: _____ Year: _____

University: _____

Major: _____

Relevant Work Experience

Organization: _____ Number of Years _____

Job Title: _____

Please return your completed enrollment form by email to mweigle@cs.odu.edu or by postal mail to Dr. Michele Weigle, College of Sciences, Department of Computer Science, Old Dominion University, Engineering & Computational Sciences Bldg., 4700 Elkhorn Ave, Suite 3214, Norfolk, VA 23529-0162.

Enrollment approved by: _____ Date: _____

List the courses you have taken that satisfy the requirement of Modeling and Simulation Certificate in Computing and Informatics. A description of the certificate program is attached. You may refer to the web site of Computer Science Department for updated information.

Course number	Course name	Year, semester taken	Grade

Requirement for the Certificate of Modeling & Simulation in Computing and Informatics:

- hold a bachelor's degree;
- complete 12 credit hours of the certificate courses;
- take the core courses;
- take at most two foundation elective courses;
- take at least one advanced elective courses;
- maintain an average GPA of 3.00 for these courses.

Core course:

- MSIM601 Introduction to Modeling and Simulation (3)

Foundation Elective courses (select at most two from the following):

CS517. Computational Methods and Software (3)

CS578. Computational Geometry, Methods and Applications (3)

CS586. Introduction to Parallel Computing (3)

CS600. Algorithms and Data Structures (3)

Advanced Elective courses (select at least one from the following):

CS712/812 Stochastic Modeling (3)

CS713/813. Modeling and Simulation in Computational Biology (3)

CS714/814. Monte Carlo Simulation (3)

CS715/815. Medical Image Computing and Simulations(3)

CS716/816 Communication Networks Simulation and Evaluation (3)

CS722/822. Machine Learning (3)

CS723/823. Introduction to Bioinformatics (3)

CS724/824 - High Performance Computing with GPUs for Large Scale Simulations (3)

CS725/825 Information Visualization (3)

CS726/826 Applications of Graphs in Bioinformatics (3)
