

## Introduction To Computational Science Modeling And Simulation For The Sciences Second Edition

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Computational Science and Modeling  
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Course Description CS-151L - An introduction to Computational Science and Modeling (also known as Computer Science for All) - is a dual-credit computational science course open to high school as well as college students.

UNM CS-151L: CS4All - Department of Computer Science  
Apply some subset of discipline-focused or methodology-focused topics in computational and data science to solve problems in the student ' s primary discipline. The Graduate Certificate in Computational Modeling consists of at least three courses comprising a minimum of 9 credit hours, taken from the two categories listed below.

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Graduate-level introduction to computational concepts, principles, and modeling approaches in social sciences, emphasizing simulations and elements of complexity theory as they apply to social phenomena. Survey includes systems dynamics, cellular automata, and agent-based models. Offered by Computational & Data Sciences. May not be repeated for credit.

Computational Social Science (CSS) < George Mason University  
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Computational Science  
An introduction to classical and quantum simulation methods as applied to chemistry-related problems and computational chemistry software packages. Part I: introductory material, potential energy surfaces, vibrational and electronic properties of molecules, and capabilities/limitations of computational chemistry.