

HOW YOUR MATH DEGREE WILL HELP YOU SUCCEED AS AN ACCOUNTANT

IN YOUR MATH DEGREE, YOU LEARNED...	IN THE UNC MASTER OF ACCOUNTING PROGRAM, YOU'LL LEARN...	IN THE "REAL WORLD"...
<p>Calculus of Functions of Several Variables Students typically study vector algebra, curves and surfaces in space, partial derivatives, and multiple integrals.</p>	<p>MAC 866: Derivatives and Securities Markets Examines the economic fundamentals and inherent risk features of various financial instruments such as options and forward and futures contracts.</p>	<p>Accounting can leverage much more than adding and subtracting. Statistics, calculus and other advanced math are required for many applications, including valuing derivatives.</p>
<p>Mathematical Modeling Models and numerical simulations, using differential equations, iterated maps, and probability. Some programming is typically involved.</p>	<p>MAC 707: Advanced Spreadsheet Modeling Focuses on using advanced features of Microsoft Excel to create spreadsheet models of business problems and solve them. Topics include statistical analysis tools, organizing data for complex analysis, performing what-if analyses with data tables and scenarios, enhanced decision-making with goal seek and solver, and other advanced tools.</p>	<p>As an accountant you may model various business scenarios: What happens if the company moves its manufacturing from one country to another? Solving that involves modeling the impact of currency exchange rates, different tax treatments, different manufacturing and shipping costs, and other factors.</p>
<p>Discrete Mathematics Covers topics from the foundation of mathematics, including logic, set theory, relations and functions, induction, permutations and combinations, recurrence and game theory.</p>	<p>MAC 889: Information Management and Analytics Technology for Accountants Introduces course participants to the technology and internal controls used in contemporary information systems to capture, process, and communicate financial and managerial accounting data.</p>	<p>Accountants are called upon to understand and audit information management systems. Discrete mathematics, heavily used in information technology, and your knowledge of systems specific to accountants will give you a keen understanding of this key function.</p>



TAKE THE NEXT STEP.

In as little as one year, and with any undergraduate major, earn a top-ranked Master of Accounting degree from the University of North Carolina. Connect what you've already learned with critical accounting skills and knowledge and prepare to step into a new career. Learn more at www.mac.unc.edu or contact us at mac_info@unc.edu or 919-962-3209.

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