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## Planning Sheet: COMPUTATIONAL ECONOMICS

(Effective Fall 2012. This major consists of 13 courses)

### Computer Science Requirements:

<u>Term</u>	<u>Grade</u>	<u>Course #</u>	<u>AugCore</u>	<u>Title</u>
___	___	MAT 145	NSM	Calculus I (Prereq: MPG 4)
___	___	CSC 160		Introduction to Computer Science & Communication (Prereq: MPG 3)
___	___	CSC 170		Introduction to Programming (Prereq: Waived from or passed GST 100, MPG 3, & CSC 160; MAT 171 recommended)
___	___	CSC 210		Data Structures (Prereq: Waived from or passed GST 100, MPG 4, CSC 170, and either MAT 145 or 171)
___	___	CSC 345		Principles of Computer Organization (Prereq: CSC 210 and MPG 4)

Select & complete one (1) of the following three (3) CSC courses:

___	___	CSC 240		Introduction to Networking & Communications (Prereq: CSC 160 & MPG 3)
		CSC 320		Algorithms (Prereq: Waived from or passed GST 100, MPG 4, CSC 210 & MAT 145 or 171)
		CSC 352		Database Management and Design (Prereq: CSC 210)

### Economics Requirements:

___	___	ECO 112	SBS	Principles of Macroeconomics (Prereq: MPG 3)
___	___	ECO 113	SBS	Principles of Microeconomics (Prereq: MPG 3)
___	___	ECO 312		Intermediate Macroeconomics (Prereq: ENL 111, 112 or HON 111 and ECO 112)
___	___	ECO 313		Intermediate Microeconomics (Prereq: Waived from or passed GST 100 and ECO 113)
___	___	ECO 318		Management Science (Prereq: MPG 3 and ECO 113)

Select & complete one (1) of the following two (2) ECO courses:

___	___	ECO 315		Money and Banking (Prereq: ECO 112)
		ECO 415		Managerial Economics (Prereq: BUS 379 and ECO 313)

Complete one (1) independent study project:

___	___	CSC 499		<input type="checkbox"/> Independent Study
		ECO 499		<input type="checkbox"/> Independent Study

### Notes:

- **Keystone:** Please consult with your faculty advisor to complete a Keystone Course requirement.
- **GPA: Students must earn grades of 2.0 or above in each course applicable to the Computer Science major.** Students must also earn a minimum overall grade point average of 2.0 to qualify for graduation.
- **Abbreviation Key:** ML = Modern Language; SC = Signature Curriculum; EM = Engaging Minneapolis; AE = Augsburg Experience; KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; SBS = Social & Behavioral Science; FA = Fine Arts; HUM = Humanities

**See back for information on graduation skills requirements**

## Planning Sheet: GRADUATION SKILLS REQUIREMENTS

These requirements were implemented for Fall 2008. Please talk with your faculty advisor for information.

**Graduation skills, including the Quantitative Reasoning requirements, are completed as follows.** Graduation skills in Critical Thinking, Writing, Speaking, and Quantitative Reasoning are required for graduation. Critical Thinking is embedded in all majors. Plans for completion of other graduation skills are determined by the major department. Consult your department chair or faculty advisor to select appropriate courses to meet the Quantitative Reasoning (QR) graduation skill. QR is satisfied by completing one (1) Quantitative Foundational course (QF) and one (1) Quantitative Application course (QA), or one (1) combined QFA course. The most current information on Graduation Skills can be found in the Augsburg College catalog at [www.augsburg.edu/catalog/](http://www.augsburg.edu/catalog/).

**Transfer students must consult an advisor about potential adjustments to their course requirements to fulfill each graduation skill.**

Designated Major Course	GRADUATION SKILLS – Computational Economics		Completed
Embedded in major	<b>Writing Requirements</b> TWO (2) Writing courses		
Embedded in major			
Embedded in major	<b>Speaking</b> One (1) Speaking course		
Designated Major Course	QUANTITATIVE REASONING		Completed
Embedded in major	<b>Quantitative Foundations &amp; Applications</b> One (1) QFA course (Prereq: MPG3)	QFA course	
– OR –			
Embedded in major	<b>Quantitative Foundations and Quantitative Applications</b> One (1) QF course (Prereq: MPG 3) <b>and</b> one (1) QA course		QF course
Embedded in major			QA course

## Graduation Tally Checklist

These requirements were implemented in April 2003 and remain in effect until further notice.

Requirement	Progress Towards Completion	
<b>Cumulative Course Credits</b> <ul style="list-style-type: none"> <li>▪ Minimum number of course credits needed for graduation = <b>32</b></li> <li>▪ At least 8 credits completed at Augsburg.</li> <li>▪ 6 of last 8 credits completed in residence.</li> <li>▪ Second degree – minimum of 8 credits completed in residence.</li> </ul>	Transfer Credits Earned	
	+ Aug. Credits Earned	
	= Total Credits Earned	
	# Credits Needed	

<b>Grade Point Average (GPA)</b> <ul style="list-style-type: none"> <li>▪ Minimum 2.0 GPA required in major, minor, &amp; overall.</li> <li>▪ Some majors require higher GPA.</li> <li>▪ Latin Honors GPA requirements:                             <ul style="list-style-type: none"> <li>○ Summa cum laude: 3.9-4.0</li> <li>○ Magna cum laude: 3.80-3.89</li> <li>○ Cum laude: 3.60-3.79</li> </ul> </li> </ul>	Cumulative GPA	
	Major 1 GPA	
	Major 2 GPA	
	Minor GPA	

Other Limits	Minimum/Maximum	Your Total
<b>Overall maximum courses graded Pass/No Pass (P/N)</b> <ul style="list-style-type: none"> <li>▪ Grade of 2.0 or above required to Pass and earn credit for course.</li> <li>▪ Maximum of 2 of 6 credits P/N may be in major.</li> </ul>	Maximum of 6	
<b>Major Courses graded Pass/No Pass (P/N)</b>	Maximum of 2	
<b>Latin Honors courses graded Pass/No Pass (P/N)</b>	Maximum of 2	
<b>Latin Honors traditionally graded courses</b>	Minimum of 14	
<b>Internships</b>	Maximum of 4	
<b>Independent/Directed Studies</b>	Maximum of 2	