

## Georgia State University - J. Mack Robinson College of Business

### CIS Co-op information

#### Undergraduate student pursuing a BBA in Computer Information Systems (CIS)

Starting their 3rd year, the four-year co-op plan allows a CIS student to work two 6-month periods with an employer. This plan delivers six CIS courses before beginning their co-op experience -- a total of eight CIS courses are usually taken by CIS majors. The major benefit to the student and employer is that a student will be exposed to 75% of their CIS-related knowledge before the first day of work. A sample plan is shown on the backside of this document.

The following CIS topics are covered before employment begins:

<b>CIS 2010</b>	<b>Introduction to Computer Information Systems:</b> This course provides an introduction to computer and information systems concepts, including hardware, software, databases, data communications, and business applications. The student is introduced to methods of determining user requirements and developing application systems using databases and fourth generation languages.
<b>CIS 3300</b>	<b>Systems Analysis:</b> This course provides an introduction to the analysis and logical design of computer based information systems. Emphasis is placed upon the development of requirements specifications that serve the business needs of the organization and provide the necessary base for subsequent systems development. Both data oriented and process oriented approaches are covered.
<b>CIS 3260</b>	<b>Introduction to Programming:</b> This course provides an introduction to programming using a contemporary object-oriented language. Emphasis is placed upon the development of correct, efficient programs that are easy to maintain. Topics include problem analysis, program design, documentation, testing and debugging. Basic features of the programming language are covered. The specific language will be noted in the course listing for each semester. (JAVA currently taught)
<b>CIS 3001</b>	<b>Managing Information Technology Projects:</b> This course examines the defining characteristics of IT projects, especially involving the development of software intensive systems, and introduces the student to a variety of project management techniques that can be applied in an IT project context. This course provides an introduction to the disciplined approaches to IT project management. While IT projects are similar in some ways to other types of projects, they pose unique challenges for the managers and organizations that undertake them. This course will give students an understanding of the most common processes, tools, techniques, and theories that are necessary to manage IT projects. Managing IT projects that follow both plan driven traditional development methods as well as agile methods will be covered.
<b>CIS 3730</b>	<b>Database Management Systems:</b> This course provides an introduction to the management of database systems. Major emphasis is placed on understanding the various database management functions and providing database support for the organization. Topics include types of data models and database management systems, data definition and manipulation, administration of database systems, and the management of databases, including database security, error recovery, concurrency control, and distributed database systems.
<b>CIS 3270</b>	<b>Internet Programming with Java (Prerequisite: CIS 3260):</b> This course builds upon the student's foundation of programming principles through the introduction of application programming. Major areas covered include operating system dependent versus operating system independent, Internet, phone, or web service applications. Focus is on object-oriented programming as it relates to embedded or service-based applications, as well as on best coding practices. Students implement applets and develop a working prototype of Internet programs. The specific language will be noted in the course listing for each semester.

# Cooperative Education Program

## CIS 4-Year Co-op Plan (Summer-Fall co-op)

Year	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April			
	<b>Summer</b>			<b>Fall</b>					<b>Spring</b>						
1				Engl 1101				3	Engl 1102			3			
				Math 1111				3	Math 1070			3			
				Econ 2105				3	Econ 2106			3			
				GSU 1010				1	CIS 3260			3			
				Spch 1000				2	CIS 3300			3			
	<b>May-mester Summer Session</b>			CIS 2010				3	<b>Total Hours</b>			<b>15</b>			
	<b>Course</b>	<b>Hou</b>	<b>Course</b>	<b>Hours</b>				<b>Total Hours</b>	<b>15</b>						
2	Area C Elective	3	PolS 1101	3	Acct 2101			3	Acct 2102			3			
	CIS 3001	3	Area E Elec -Global	3	Lab Science "A"			4	Lab Science "B"			4			
	<b>Total Hours</b>	<b>6</b>	Hist 2110	3	Phil 1010			2	3000/4000 RCB Elective			3			
			<b>Total Hours</b>	<b>9</b>	CIS 3730			3	BusA 2106			3			
					Bcom 3950			3	CIS 3270			3			
					<b>Total Hours</b>			<b>15</b>	<b>Total Hours</b>			<b>16</b>			
3	Area C Elective	3	Co-op 1 (6 months)						MgS 3100			3			
	Area E - Social Science	3										Fi 3300			3
	<b>Total Hours</b>	<b>6</b>										3000/4000 RCB Elective			3
								Mgs 3400			3				
								CIS Elective			3				
								<b>Total Hours</b>			<b>15</b>				
4	Mk 3010	3	Co-op 2 (6 months)						3000/4000 Non-RCB Elective			3			
	BusA 3000	3										3000/4000 RCB Elective			3
	<b>Total Hours</b>	<b>6</b>										CIS Elective			3
								CIS 4980 or 4970			3				
								BusA 4980			3				
								BusA 4990 - "exit exam"			0				
								<b>Total Hours</b>			<b>15</b>				
5	3000/4000 Non-RCB Elect 3														
	3000/4000 Non-RCB Elect 3														
	<b>Total Hours</b>	<b>6</b>													

An overall 2.5 GPA is needed by CIS students to be eligible for co-op. In addition to University guidelines to be a co-op, Robinson CIS students will need to attend a RCB/CIS co-op orientation session (CS student can attend if they desire) and have their resume reviewed and approved by the RCB career management center.

Total Hours = 124