



# CIS Major Checklist

Dept. of Computer Information Systems & Management Science  
 College of Business  
 James Madison University

Course	Title	Credit hours	Completed credit hours
General education courses <sup>1</sup>		35	<input type="checkbox"/>
Non-business electives		12	<input type="checkbox"/>
		<b>47</b>	
COB 191 / MATH 220	Business Statistics	3	<input type="checkbox"/>
COB 202	Interpersonal Skills	3	<input type="checkbox"/>
COB 204	Computer Information Systems	3	<input type="checkbox"/>
COB 218	Legal Environment of Business	3	<input type="checkbox"/>
COB 241	Financial Accounting	3	<input type="checkbox"/>
COB 242	Managerial Accounting	3	<input type="checkbox"/>
COB 291	Introduction to Management Science	3	<input type="checkbox"/>
GECON 200 <sup>1</sup>	Introduction to Macroeconomics	3	<input type="checkbox"/>
ECON 201	Principles of Economics (Micro)	3	<input type="checkbox"/>
MATH 205/231/235	Calculus I	3 or 4	<input type="checkbox"/>
GISAT 151 <sup>1</sup>			
		<b>30-31</b>	
<i>Overall GPA <math>\geq 2.8</math></i>	<i>Admission to the College of Business</i>		
COB300A-D	Integrated Functional Systems	12	<input type="checkbox"/>
		<b>12</b>	
CIS 221	Principles of Programming	3	<input type="checkbox"/>
CIS 301	Operating Systems & Server Admin.	1	<input type="checkbox"/>
CIS 304	Information Technology	3	<input type="checkbox"/>
CIS 320	Telecommunications	3	<input type="checkbox"/>
CIS 330	Database Design and Application	3	<input type="checkbox"/>
CIS 331	Intermediate Computer Programming	3	<input type="checkbox"/>
CIS 361 (recommended)	CIS Internship	0	<input type="checkbox"/>
CIS 454	Systems Analysis & Design	3	<input type="checkbox"/>
CIS 484	IS Development & Implementation	3	<input type="checkbox"/>
CIS elective <sup>2</sup>	} <i>See comments below</i>	3	<input type="checkbox"/>
CIS elective <sup>2</sup>		3	<input type="checkbox"/>
		<b>28</b>	
COB 487	Strategic Management	3	<input type="checkbox"/>
		<b>120-121</b>	

1 Assumes that MATH 205/231/235 or GISAT 151 and GECON 200 are taken as General Education courses. The General Education program contains a set of requirements that each student must fulfill. The number of credit hours necessary to fulfill these requirements may vary.

2 The student majoring in CIS must successfully complete 6 credit hours of CIS elective courses. CIS electives include: CIS 354, CIS 363, CIS 364, CIS 366, CIS 383, CIS 411, CIS 420, CIS 424, CIS 434, CIS 464, CIS 466, CIS 490 and CIS 498.