



CIS Major Checklist

Dept. of Computer Information Systems & Management Science
 College of Business - James Madison University
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Course	Title	Credit hours	Completed credit hours
General education courses ¹		35	<input type="checkbox"/>
Non-business electives		12	<input type="checkbox"/>
		47	
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 ¹	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 ¹			
		30-31	
<i>Overall GPA ≥ 2.8</i>	<i>Admission to the College of Business</i>		
COB300A-D	Integrated Functional Systems	12	<input type="checkbox"/>
		12	
CIS 221	Principles of Programming	3	<input type="checkbox"/>
CIS 301	Operating Systems & Server Admin.	1	<input type="checkbox"/>
CIS 304	IT Enterprise Integration	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 ²	} <i>See comments below</i>	3	<input type="checkbox"/>
CIS elective ²		3	<input type="checkbox"/>
		28	
COB 487	Strategic Management	3	<input type="checkbox"/>
		120-121	

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.