



Computer Information Systems (CIS)

Housed in the Computer Information Systems and Business Analytics Department, MSU Denver's Computer Information Systems (CIS) bachelor's program offers a challenging education in both general business and modern technology that will allow you to become part of the fast-paced digital world. This is the only CIS program in Colorado accredited by both AACSB and ABET, the world's top accrediting agencies for business and engineering/technology/computing programs.

ACI Learning Certificates	MSU Denver courses	Credit hours
CCNA 1		
CCNA 2		
CompTIA A+ Core 1	CIS 8000	3
CompTIA A+ Core 2		
CompTIA A+ Essentials		
CompTIA A+ Practical Applications		
CompTIA Adv. Security Practitioner		
CompTIA Adv. Security Practitioner		
CompTIA Network+	CIS 8000	3
CompTIA Network+		
CompTIA Security+	CIS 2500	3
CompTIA Security+		
EC Council Certified Encryption Specialist		
EC Council Certified Ethical Hacker		
EC Council Certified Ethical Hacker		
EC Council Certified Network Defender		
EC Council Certified Network Defender		
EC Council Certified Security Analyst		
EC Council Computer Hacking Forensic Investigator		
EC Council Computer Hacking Forensic Investigator		
Interconnecting Cisco Network Devices I		
Interconnecting Cisco Network Devices II		
ISC2 Certified Information Systems Security Professional		
ISC2 Certified Information Systems Security Professional		
ITIL 4 Foundation	CIS 8000	3
ITIL Foundations		
PMI Project Management Professional		
PMI Project Management Professional		

* Please note that students may receive credit for other certificates on a case-by-case basis.



**Computer Information Systems
and Business Analytics Department**

Computer Information Systems, B.S.

Required Coursework	Credit hours	Required Coursework (cont.)	Credit hours
General Studies		Business Analytics	
SUBTOTAL	34	CIS 3350	3
Business Core		CIS 3460	3
BUS 1850	3	CIS 4370	3
ACC 2010	3	SUBTOTAL	9
ACC 2020	3	Database Development and Admin.	
BUS 1950	3	CIS 3460	3
CIS 2010	3	CIS 4060	3
CIS 3300	3	CIS 4260	3
CIS 3320	3	SUBTOTAL	9
FIN 3300	3	Information Systems Security	
MGT 2210	3	CIS 4500	3
MGT 3000	3	CIS 4550	3
MGT 4950	3	CIS 4280	3
MKT 3000	3	OR	
SUBTOTAL	36	CIS 4281	3
College of Business Requirements		SUBTOTAL	9
BUS 3040	3	Network Systems and Administration	
MTH 1320	3	CIS 3280	3
SUBTOTAL	6	CIS 4280 or	3
CIS Requirements		CIS 4281 or	3
CIS 2110	3	CIS 4500	3
CIS 3050	3	SUBTOTAL	9
CIS 3060	3	Web Development and Administration	
CIS 3230	3	CIS 3030	3
CIS 3145	3	CIS 4030	3
CIS 3500	3	CIS 4500	3
CIS 4050	3	SUBTOTAL	9
SUBTOTAL	21	Major SUBTOTAL	
Major Concentration		30	
No concentration		"Electives SUBTOTAL"	
4000-level capstone	3	20	
Upper division electives	6	includes 3 credit hours of CIS 2500	
SUBTOTAL	9	and up to 9 credit hours of CIS 8000*	
Application Development		Degree TOTAL	
CIS 3030	3	120	
CIS 4060	3		
CIS 4160	3		
SUBTOTAL	9		

Computer Information Systems and Business Analytics Department
Campus Box 45 P.O. Box 173362, Denver, CO 80217-3362

Contact
Daniel Haupt
dhaupt2@msudenver.edu
303-605-5851

msudenver.edu