



**Degree Plan Checklist**  
**Associate of Science in STEM**  
**Bachelor of Science in Computer Information Systems**  
**For Completion at National Park College**



**CIS Core (27 Credit Hours)**

			UAM	Semester	Hours	Grade
CIS	1033	Computer Science I	ISYS 22003		3	
CIS	2553	Computer Architecture	ISYS 11903		3	
CIS	2533	Data Structures & Algorithms	ISYS 22103		3	
BUS	2123	Business Statistics	BUSI 21003		3	
ACT	1103	Principles of Accounting I	ACCT 20003		3	
ACT	1113	Principles of Accounting II	ACCT 20103		3	
ECON	2213	Microeconomics	ECON 22003		3	
CIS	1043	Computer Science II	General Elective		3	
CIS	1031	Computer Science I Lab	General Elective		1	
CIS	1041	Computer Science II Lab	General Elective		1	

**Total NPC Credit Hours: 62**

**University of Arkansas at Monticello**  
**Bachelor of Computer Information Systems – Programming and Information Security**

**UAM Courses (57 credit hours)**

			Semester	Hours	Grade
CPSI	21003	Help Desk Communications		3	
ISYS	34403	Object Oriented Programming		3	
		Fundamentals of Game Programming		3	
BINS	41303	Management Information Systems		3	
BUSI	20103	Business Communication		3	
ISYS	34503	WWW Programming		3	
CESEC	36203	Computer Forensics		3	
CESEC	31233	Linux Operating Systems		3	
ISYS	35203	Systems Analysis & Design		3	
CESEC	42503	Cybersecurity		3	
ISYS	34603	Programming Mobile Apps		3	
ISYS	46203	Database Management Systems		3	
MKTG	34043	Principles of Marketing		3	
ISYS	45003	Data Communications & Networking		3	
CESEC	34703	Cyberlaw		3	
CESEC	42603	Ethics in Information Technology		3	
ISYS	46304	Software Development Project		4	
		Free Elective – UAM Online		3	
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**Total UAM Credit Hours: 58**

**Total Credit Hours: 120**



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**Semester 1**

Prefix	Course #	Course Name	Credits
CIS	1033	Computer Science I	3
CIS	1031	Computer Science I Lab	1
PSYC	1103	General Psychology	3
ENG	1113	English Composition I	3
MATH	1123	College Algebra	3
HIS	2253	World Civ to 1500	
<b>Total</b>			<b>16</b>

**Semester 2**

Prefix	Course #	Course Name	Credits
CIS	1043	Computer Science II	3
ENG	1123	English Composition II	3
CIS	1041	Computer Science II Lab	1
BUS	2123	Business Statistics	3
BIOL	1114	Biology for Non-Majors	4
ECON	2213	Microeconomics	3
<b>Total</b>			<b>17</b>

**Semester 3**

Prefix	Course #	Course Name	Credits
CIS	2553	Computer Architecture	3
PHYS	1114	Physical Science	4
ACT	1103	Principles of Accounting I	3
ART/M US	1103	Art or Music Appreciation	3
ENG	2273/22 83	World Literature I or II	3
<b>Total</b>			<b>16</b>

**Semester 4**

Prefix	Course #	Course Name	Credits
CIS	2533	Data Structure & Algorithms	3
ACT	1113	Principles of Accounting II	3
HIST	2223	US History to 1865	3
PE		PE/Singers	1
SPCH	1103	Fundamental of Public Speaking	3
<b>Total</b>			<b>13</b>

**Total NPC Credit Hours 62**

**Semester 5**

Prefix	Course #	Course Name	Credits
CPSI	21003	Help Desk Communications	3
ISYS	34403	Object Oriented Programming	3
MKTG	34043	Principles of Marketing	3
		Fundamentals of Game Programming	3
		Free Elective - UAM Online	3
<b>Total</b>			<b>15</b>

**Semester 6**

Prefix	Course #	Course Name	Credits
CESC	31233	Linux Operating Systems	3
ISYS	34503	WWW Programming	3
ISYS	35203	Systems Analysis & Design	3
ISYS	45003	Data Communications & Networking	3
		Free Elective - UAM Online	3
<b>Total</b>			<b>15</b>



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**Semester 7**

Prefix	Course #	Course Name	Credits
BINS	41303	Management of Information Systems	3
CESC	34703	Cyberlaw	3
CESC	42503	Cybersecurity	3
ISYS	34603	Programming Mobile Apps	3
ISYS	46203	Database Management Systems	3
<b>Total</b>			<b>15</b>

**Semester 8**

Prefix	Course #	Course Name	Credits
BUSI	20103	Business Communications	3
CESC	36203	Computer Forensics	3
CESC	42603	Ethics in Information Systems	3
ISYS	46304	Software Development Project	4
<b>Total</b>			<b>13</b>

**Total UAM Credit Hours**      58  
**Total Program Hours**      120

