

Bachelor of Science in Cyber Security Administration from The University of Mary

Lake Region State College Transfer Student General Education Requirements (AS)

LRSC Course Name	Semester Credit(s)	University of Mary Course
ENGL 110 College Composition I	3 credits	ENG 111 Composition I
ENGL 120 College Composition II*	3 credits	ENG 121 Composition II
COMM 110 Fundamentals of Public Speaking	3 credits	COM 110 Oral Communication
Arts and Humanities (Total 6 Hours)		
RELS 220 or 230 Old Testament or New Testament	3 credits	THE 120 Search for God
Arts and Humanities Elective	3 credits	Liberal Art Elective
Social Science (Total 6 Hours)		
Social Science Elective	3 credits	Liberal Art Elective
Social Science Elective	3 credits	Liberal Art Elective
Math, Science, and Computer Science (Total 16 credits)		
MATH 103 or Higher	3 credits	Core Math Requirement
Lab Science	4 credits	Lab Science Requirement
Lab Science	4 credits	Liberal Art Elective
CIS 220 Operating Systems- Unix	3 credits	CSA 107 Introduction to Linux
CIS 164 Networking Fundamentals I	3 credits	ITM 220 Computer Networking Essentials
Health, Phy Ed and Recreation	2 credits	Free Elective
Additional Credits Recommended for Transferring Students		
CIS 141 Intro to Cyber Security	3 credits	CSA 115 Intro to Cyber Security
CIS 202 Advanced Software Applications	3 credits	CSC 106 Application Software Concepts
CIS 104 Microcomputer Database	3 credits	CSC 300 Systems I- Database (Lower-Division Credit)
CIS 243 Networking II	3 credits	CSA 222 Networking Essentials II
CIS 128 Microcomputer Hardware I	3 credits	CSC 125 Special Topics
CIS 129 Microcomputer Hardware II	3 credits	CSA 110 Information Technology Essentials
CIS 142 Ethical Hacking/Networking Defense	3 credits	CSA 345 Ethical Hacking (Lower-Division Credit)
Total Transfer Credits (Max of 62)	61 credits	
The Following Courses to be Completed at the University of Mary		
FYE 322 Transition Seminar	1 credit	
PHI 308 Ethics	3 credits	
BUS 380 Internship and Career	1 credit	
BUS 454 Project Management	3 credits	
CSA 330 Client/Server OS	3 credits	
CSA 360 Firewalls	3 credits	
ITM 410 Distributed Intelligence and Communication Administration	3 credits	
ITM 420 Systems Development Project	3 credits	
ITM 430 Current Issues in IT	3 credits	
ITM 445 Cyber Security II	3 credits	
ITM 452/456 Internship or Experiential Development	4 credits	
CSA 460 Digital Forensics	3 credits	
Liberal Art Electives	16 credits	
Free Electives (at least 11 at the 300/400 Level)	14 credits	
HUM 499 Senior Competency Testing	0 credits	
Total: 124 Semester Credits required for Graduation		

Notes:

Maximum of 62 LRSC credits can be transferred to UMary.

Requirements listed are valid if student receives an AA or AS Degree- Further Core Requirements will be needed for students who do not receive an AA or AS from LRSC

If student is pursuing an AA degree instead of AS, different elective courses may be required at LRSC to fulfill those requirements. Meet with your advisor to adapt your course plan.

Students may choose to complete electives at LRSC other than those recommended above. Contact UMary Admissions if there are questions regarding transfer equivalencies for different courses, in order to ensure the selected courses will apply toward your UMary program of study.

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Associate in Applied Sciences Information Technology Lake Region Program Requirements

Course Name	Semester Credit(s)	University of Mary Course
BADM 291 Career Seminar	2 credits	BUS 225 Special Topics
CIS 104 Microcomputer Database	3 credits	CSC 300 Systems I- Database (Lower-Division Credit)
CIS 128 Microcomputer Hardware I	3 credits	CSC 125 Special Topics
CIS 129 Microcomputer Hardware II	3 credits	CSA 110 Information Technology Essentials
CIS 141 Intro to Cyber Security	3 credits	CSA 115 Intro to Cyber Security
CIS 164 Networking Fundamentals I	3 credits	ITM 220 Computer Networking Essentials
CIS 202 Advanced Software Applications	3 credits	CSC 106 Application Software Concepts
CIS 220 Operating Systems- Unix	3 credits	CSA 107 Introduction to Linux
COMM 110 Fundamentals of Public Speaking	3 credits	COM 110 Oral Communication
CSCI 101 Introduction to Computers	3 credits	CIS 101 Introduction to Computer Information Systems
CSCI 124 Beginning C++	3 credits	CSC 204 Applications Development
ENGL 110 College Composition I	3 credits	ENG 111 Composition I
ENG 120 College Composition II	3 credits	ENG 121 Composition II
MATH 103 College Algebra	3 credits	MATH 103 College Algebra
Health/Physical Education	2 credits	N/A Transfer Limit
SOC 110 Introduction to Sociology* (Social Science)	3 credits	SOC 107 General Sociology
HIST 103 or 104 US History I or II* (History)	3 credits	POL 101 Responsible Citizenship
Cyber Security Certificate Courses		
CIS 142 Ethical Hacking/Networking Defense	3 credits	CSA 345 Ethical Hacking (Lower-Division Credit)
CIS 147 Principles of Information Security	3 credits	CSC 125 Special Topics
CIS 241 Intro to Digital Forensics	3 credits	CSA 460 Digital Forensics (Lower-Division Credit)
CIS 255 Computer and Network Security	3 credits	ITM 420 Computer Network Systems
CIS 284 Incident Response and Disaster Recovery	3 credits	CSC 225 Special Topics
Total Transfer Credits (Max of 62)	62 credits	

The Following Courses to be Completed at the University of Mary

FYE 322 Transition Seminar	1 credit	
PHI 308 Ethics	3 credits	
Art Elective	3 credits	
Lab Science Course	4 credits	
CTH/THE 234 Benedict: Yesterday and Today	3 credits	
BIS 380 Internship and Career Prep	1 credit	
BUS 454 Project Management	3 credits	
CSA 222 Networking Essentials II	3 credits	
CSA 330 Client/Server OS	3 credits	
CSA 360 Firewalls	3 credits	
ITM 410 Distributed Intelligence and Communication Administration	3 credits	
ITM 430 Current Issues in IT	3 credits	
ITM 445 Cyber Security II	3 credits	
ITM 452/46 Internship or Experiential Development	4 credits	
HUM 499 Senior Competency Testing	0 credits	
Liberal Art Electives to Total 52	17 credits	
Free Elective	5 credits	

Total: 124 Semester Credits required for Graduation

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CIS 220 Operating Systems- Unix	3 credits	CSA 107 Introduction to Linux
COMM 110 Fundamentals of Public Speaking	3 credits	COM 110 Oral Communication
CSCI 101 Introduction to Computers	3 credits	CIS 101 Introduction to Computer Information Systems
CSCI 124 Beginning C++	3 credits	CSC 204 Applications Development
ENGL 110 College Composition I	3 credits	ENG 111 Composition I
ENG 120 College Composition II	3 credits	ENG 121 Composition II
MATH 103 College Algebra	3 credits	MATH 103 College Algebra
Health/Physical Education	2 credits	N/A Transfer Limit
SOC 110 Introduction to Sociology* (Social Science)	3 credits	SOC 107 General Sociology
HIST 103 or 104 US History I or II (History)	3 credits	POL 101 Responsible Citizenship
Cyber Security Certificate Courses		
CIS 142 Ethical Hacking/Networking Defense	3 credits	CSA 345 Ethical Hacking (Lower-Division Credit)
CIS 147 Principles of Information Security	3 credits	CSC 125 Special Topics
CIS 241 Intro to Digital Forensics	3 credits	CSA 460 Digital Forensics (Lower-Division Credit)
CIS 255 Computer and Network Security	3 credits	ITM 420 Computer Network Systems
CIS 284 Incident Response and Disaster Recovery	3 credits	CSC 225 Special Topics
Total Transfer Credits (Max of 62)	62 credits	

The Following Courses to be Completed at the University of Mary

PHI 308 Ethics	3 credits	
Science Course With or Without Lab	3 credits	
Theology Course	3 credits	
BIS 380 Internship and Career Prep	1 credit	
BUS 454 Project Management	3 credits	
CSA 222 Networking Essentials II	3 credits	
CSA 330 Client/Server OS	3 credits	
CSA 360 Firewalls	3 credits	
ITM 410 Distributed Intelligence and Communication Administration	3 credits	
ITM 430 Current Issues in IT	3 credits	
ITM 445 Cyber Security II	3 credits	
ITM 452/46 Internship or Experiential Development	4 credits	
HUM 499 Senior Competency Testing	0 credits	
Upper Division (300/400 Level) Credits to Total 44	12 credits	
Free Elective Credits to Total 120 Total	11 credits	

Total: 120 Semester Credits required for Graduation

Notes:

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