

## Inquiry Curriculum Requirements | A Liberal Arts Curriculum

### Basic Skills | Grade of "C" or better required. **12**

COLLEGE	COURSE		CR	GR
		WRIT S101 Writing Colloquium	3	
		WRIT S102 Research Writing	3	
		SPCH S110 Basic Speech	3	
		MATH S105 Finite Math or MATH S110 College Algebra	3 3	

### Interdisciplinary Seminars | Must be completed at BenU. **6**

COLLEGE	COURSE		CR	GR
BenU	IDS 201-204	Catholic and Benedictine Intellectual Traditions (WI)	3	
BenU	IDS 301-304	Human Dignity or The Common Good	3	

### Modes of Inquiry (MI) |

COLLEGE	COURSE		CR	GR
		<b>Arts and Humanities</b>	<b>15</b>	

Transfer students must complete 15 semester credit hours in at least four of the required MI in this area, one of which must be Religions/Theological (QRT).

Satisfied by Major	Religious/Theological (QRT)	—	—
	Philosophical (QPL)		
	Historical (QHT)		
	Literary/Rhetorical (QLR)		
	Artistic/Creative (QCA)		

### Natural Sciences **9**

Transfer students must complete 9 semester credit hours in at least two of the required MI in this area, including at least one Life-Scientific (QLS) and one Physical-Scientific (QPS).

		Life-Scientific (QLS)		
		Physical-Scientific (QPS)		
Satisfied by Major		Computational, Math and Analytical (QCM)	—	—

### Social Sciences I and II **6**

Transfer students must complete 6 semester credit hours, three in each of the required MI.

		Individuals/Organizations/Societies (QIO)		
		Political/Global/Economic Systems (QPE)		

### Cocurricular | Requirements may be met through MI or major courses.

Course or Experience		
	<input type="checkbox"/>	Global Designation (G)
	<input type="checkbox"/>	Sustainability (S)
BenU	IDS 201-204	<input type="checkbox"/> Writing Intensive (WI)
BenU	CMCS 220	<input type="checkbox"/> Writing Intensive (WI)
BenU	CMCS 301	<input type="checkbox"/> Writing Intensive (WI)
	<input type="checkbox"/>	Engaged Learning (EL)
	<input type="checkbox"/>	Learning Community (LC)

### Notes | All Undergraduate Degree Programs

INQUIRY CURRICULUM REQUIREMENTS: Remaining MI courses must be chosen from classes labeled with appropriate designation in catalog or course schedule. Some MI requirements are satisfied by major requirements. Substitutions are not allowed after entry.

## Graduation Requirement | Min. Semester Credit Hours **120**

### Major Requirements | Grade of "C" or better required. **50**

COLLEGE	COURSE		CR	GR
Foundation Requirements (38 semester credit hours)				
		MATH 240 Discrete Math	4	
		CMSC 180 Intro to Computing	2	
		CMSC 185 Python Programming Lab	2	
		CMSC 200 Computer Programming	3	
		CMSC 205 Data Structure & Algor I	3	
		CMSC 220 Computer Architecture (WI)	3	
		CMSC 264 Intro to Web Application Dev	3	
		CMSC 270 Data Structure & Algor II	3	
		CMSC 274 Obj Oriented Des & Prog	3	
		CMSC 301 Technical Comm (WI)	3	
		CMSC 330 Database Mgmt Systems	3	
		CMSC 375 Software Engineering	3	
		CMSC 398 Capstone Project	3	

Computational Requirement: One course totaling at least 3 semester credit hours from the list below (AP credit does not fulfill requirement)

		MATH 150 Introduction to Statistics	3	
		MATH 170 Introduction to Calculus I	5	
		MATH 200 Applications of Calculus I	4	
		MATH 210 Calculus for Physical Sci I	5	
		MATH 211 Calculus for Physical Sci II	4	

If no concentration is declared, choose at least three courses from the list below (9 semester credit hours)

		CMSC 310 Operating Systems	3	
		CMSC 311 Operating Systems Practicum	1	
		CMSC 315 Formal Language	3	
		CMSC 363 Data Mining	3	
		CMSC 364 Mobile Commerce	3	
		CMSC 365 Computer Networks	3	
		CMSC 366 Computer Networks Practicum	1	
		CMSC 370 Algorithm Design & Analysis	3	
		CMSC 373 Big Data	3	
		CMSC 374 Adv Web Application Dev	3	
		CMSC 380 Artificial Intelligence	3	
		CMSC 383 Machine Learning	3	
		CMSC 384 Enterprise Architecture	3	
		CMSC 385 Theory of Programming Lang	3	
		CMSC 386 Programming Lang Practicum	1	

### Major Specific Notes | Computer Science

All majors must submit at least 47 semester credit hours in Computer Science numbered 180 and above, with 21 semester credit hours at the 300 level. CMSC 396, 397 and 399 do not count toward major credit.

All major and cognate courses must be completed with a grade of "C" or better to apply to the major.

