

Major Checklist for Advising Purposes
General Education Curriculum Requirements
Interdisciplinary Seminars | Must be completed at BenU.

	COURSE		CR	GR
BenU	IDS 2201-2204	Catholic and Ben Intellectual Traditions (WI)	3	
BenU	IDS 3301-3304	Human Dignity or The Common Good	3	

Co-curricular | May be met through Distribution Req. or major courses

	<input type="checkbox"/>	Global Designation (G)		
	<input type="checkbox"/>	Sustainability (S)		
IDS 2201-2204	<input type="checkbox"/>	Writing Intensive (WI)		
CMSC 2220	<input type="checkbox"/>	Writing Intensive (WI)		
CMSC 3301	<input type="checkbox"/>	Writing Intensive (WI)		
CMSC 4398	<input type="checkbox"/>	Engaged Learning (EL) Learning Community (LC)		

Distribution Requirements (DR) | Scholars Program students please refer to specific checklist for requirements.

Communications | Grade of "C" or better required

	COURSE		CR	GR
	WRIT 1101	Writing Colloquium ¹	3	
	WRIT 1102	Research Writing	3	
	COMM 1110	Speech Communication	3	

Mathematics | Grade of "C" or better required in 1 of the following courses

	COURSE		CR	GR
	MATH 1105	Finite Mathematics OR ²	3	
	MATH 1110	College Algebra ²	3	

Sciences |

	COURSE		CR	GR
		Life Science (QLS)	3	
		Physical Science (QPS)	3	
SBM	MATH	Computational, Math & Analytical (QCM)	-	-

Humanities and Fine Arts |

	COURSE		CR	GR
		Religious/Theological (QRT)	3	
		Philosophical (QPL)	3	
		Historical (QHT)	3	
		Literary/Rhetorical (QLR)	3	
		Artistic/Creative (QCA)	3	

Social Sciences I and II |

	COURSE		CR	GR
		Individuals/Organizations/Societies (QIO)	3	
		Political/Global/Economic Systems (QPE)	3	

General Education Curriculum Notes | Students must complete a minimum of 120 semester credit hours to qualify for graduation with a bachelor's degree- please see academic catalog for additional residency requirements. The cumulative GPA for courses taken at Benedictine University must be at least a 2.000.

¹ LCOM 1105 is required for students with AP/Dual Credit.

² This major requires MATH 1110/1105 to be completed as part of the GECC coursework.

SBM- Satisfied by major

This checklist is for advising purposes. Students must follow the requirements for graduation in the Undergraduate Catalog for their term of entry.

Major Requirements | Grade of "C" or better required **48**

	COURSE	MAJOR COURSES	CR	GR
	MATH 2240	Discrete Math	4	
	CMSC 2200	Computer Programming	3	
	CMSC 2205	Data Structure & Algor I	3	
	CMSC 2220	Computer Architecture (WI)	3	
	CMSC 2264	Intro to Web Application Dev	3	
	CMSC 3270	Data Structure & Algor II	3	
	CMSC 3274	Obj Oriented Des & Prog	3	
	CMSC 3301	Technical Comm (WI)	3	
	CMSC 3330	Database Mgmt Systems	3	
	CMSC 4375	Software Engineering	3	
	CMSC 4398	Capstone Project	3	
		Choose one of the following computational courses **		
	MATH 1150	Introduction to Statistics	3	
	MATH 1170	Introduction to Calculus I	5	
	MATH 2200	Applications of Calculus I	4	
	MATH 2210	Calculus for Physical Sci I	5	
	MATH 2211	Calculus for Physical Sci II	4	
		Select at least 9 semester credits hours from the following		
	CMSC 4310	Operating Systems	3	
	CMSC 4363	Data Mining	3	
	CMSC 4364	Mobile Commerce	3	
	CMSC 4365	Computer Networks	3	
	CMSC 4370	Algorithm Design & Analysis	3	
	CMSC 4373	Big Data	3	
	CMSC 4374	Adv Web Application Dev	3	
	CMSC 4380	Artificial Intelligence	3	
	CMSC 4383	Machine Learning	3	
	CMSC 4384	Enterprise Architecture	3	
	CMSC 4385	Theory of Programming Lang	3	
	CMSC 4386	Prog Languages Practicum	3	
	CMSC 4391	Special Topics	3	
	CMSC 3331	Database Management Systems Practicum	1	
	CMSC 4311	Operating Systems Practicum	1	
	CMSC 4366	Computer Networks Practicum	1	

Major Specific/Requirement Notes

All major coursework (whether taken at BenU or transferred from another institution) must be completed with a C or better.

**Advanced Placement credit cannot be applied to this computational requirement

The Computer Science major must complete a minimum of 39 semester credit hours of computer science courses numbered 2000 or above, including 27 semester credit hours at the 3000 level or above.