## Computer Science (B.S.)

A minor is not required.

## Area I: General Requirements (24 credits from the following three components)

	{GE 3	C N N	S 245 1ATH 161 1ATH 223 1ATH 300	and Statistics Components (15 credits required Statistics with Application in Computer Scien Calculus I Matrix Algebra Discrete Math Structures		4 cr 4 cr 4 cr 3 cr	[FA, SU]
				ons Skill Component (6 credits required)		_	
	{GE 9	* · · · · · · · · · · · · · · · · · · ·	OMM 105A PW 304	Fundamentals of Communication	(None)	3 cr	
		n	PVV 304	Technical Report Writing	(ENGL 111; ENGL 212 or other GE 10 course)	3 cr	
3. Ethics Component (Take one course - 3 credits required)							
	{GE 5		HIL 205A	Professional Ethics: Business	(ENGL 111)	3 cr	
	{GE 5	i} P	HIL 210B	Applied Ethics in Engr and Computer Tech	(ENGL 111)	3 cr	
	Area	II: Com	puter Scien	ce Requirements (63 credits required)			
	0	C 10F	l	to Commute and Businessian	(1)	4	[ A \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		S 105 S 116		on to Computers and Programming Programming I	(None) (MATH 103 or placement test, CS 105)		[FA, WI] [FA, WI]
		S 146		ic.NET Programming	(CS 105) (CS 105)		[FA, WI]
		S 216			· · · · · · · · · · · · · · · · · · ·		[FA, WI]
				Programming II  Web Application Development	(CS 116; MATH 120A, 120B, 140 or 161) (CS 116)		[FA, WI]
		S 316		tures and Algorithm Analysis	(CS 216; MATH 300 can be concurrent)		[FA]
		S 331		Organization and Assembly Language	(CS 216)		[WI]
		IS 355		e Web Application Development	(CS 216; CIS 255)		[WI, SU]
		IS 355		Programming with Java	(CS 216)		[WI, SD]
		S 401	Computer		(CS 331)	4 cr	[FA]
		S 411	Database S		(CS 216)		[WI]
		S 421		ented Design and Development	(CIS 355; CIS 357; CS 401; CS 411)	4 cr	[FA]
		S 446	Operating		(CS 331)	4 cr	[WI]
		S 451		ing Language Concepts	(CS 316)		[WI]
		S 461		Computation	(CS 316)	4 cr	[FA]
		S 471		mputer Science Capstone	(CS 421)		[WI]
	Area	III: Con	nputer Scie	nce Electives (Take two courses – 8 credits requ	uired)		
				Programming with VB.NET	(CS 146; CS 216)	4 cr	[WI]
		S 333	Computer		(CS 216; CS 232; CS 233)	4 cr	[FA]
		S 345		stem Administration	(CS 216)		[SP]
		S 403		plication Development	(CIS 355; CIS 301 or CS 401)		[FA]
		S 431		Architecture	(CS 331)		[Varies]
		S 476	Computer		(CS 316)		[Varies]
		S 482		ntelligence and Expert Systems	(CS 216)		[Varies]
	C	S 490	Special To	pics	(Varies)	4 cr	[Varies]

(Varies)

Will count as 4 cr [Varies]

## Legend:

Items in [] indicate semesters in which CSIS courses are offered

Items in ( ) indicate the prerequisites to a specific course

One course from the MS-CSIS Program

Items in {} indicate that a course can be used toward a specific general education category