

CIS 5107 (Computational Mathematics) Check List Cont.**CIS Core Continued**

	Course:		Prerequisite:	Date
_____	Comp 210	Programming II Fall/Spring	Comp 110	_____
_____	Comp 234	Business Data Processing Techniques (COBOL) Fall	Comp 210 or Consent	_____
_____	CIS 315	Computer Networks I Spring	Math 112 > & Comp 110 or CIS 305 or MM 237 or CAMT 310	_____
_____	CIS 350	Data Structures Spring	Comp 210	_____
_____	CIS 360	Computer Graphics Spring, Odd	Math 150 and CIS 350	_____
_____	CIS 370	Programming for the Internet Fall	CIS 350	_____
_____	CIS 425	Database Management Systems (WI) Spring	Comp 234 Recommended Comp 302	_____
_____	CIS 430	Intro to Artificial Intelligence Fall, Odd	CIS 350 and Math 300	_____
_____	CIS 450	Operating Systems (WI) Fall	CIS 350	_____
_____	CIS Elective	Excluding CIS 305		_____

C. Math Core (See CIS Department in Catalog) (33 cr. hrs.)

	Course		Prerequisite	Date
_____	Math 150	Calculus with Analytic Geometry I Fall/Spring	Math 140 or eligibility	_____
_____	Math 250	Calculus with Analytic Geometry II Fall/Spring	Math 150	_____
_____	Math 260	Calculus with Analytic Geometry III Fall/Spring	Math 250	_____
_____	Math 300	Fund. of Mathematical Thought Spring	Math 260	_____
_____	Math 350	Introduction to Numerical Analysis (Spring, Odd)	Math 250 and Comp 110 or >	_____
		OR		
_____	Math 431	Numerical Analysis (Spring, Even)	Math 322 and Comp 110	_____
_____	Math 351	Linear Algebra (Fall, Even)	Math 300	_____

CIS 5107 Computational Mathematics Check List Cont.

_____	Math 371	Introduction to Operations Research (Fall, Odd) (WI)	Math 260 and Programming ability	_____
_____	Math Elective	Math 320 or above		_____
_____	Math Elective	Math 320 or above		_____

D. Supporting Requirements (See CIS Department in Catalog) (13 cr. hrs.)

Phys and Chem Electives (Must include one from each)
(Excluding Chem 100, Phys 100, Phys 120, Phys 140, Phys 180, Phys 300)

Course	Date
_____	_____
_____	_____
_____	_____

E. General Electives (See CIS Department in Catalog) (2 cr. hrs.)

Course	Date
_____	_____
_____	_____