

Check List
CIS 5107 (Computational Mathematics)
Total 128 credit hours (40 hrs must be Upper Division)
1997 - 1999 Catalog

Student Name: _____ **SSN:** _____

A. Core Curriculum (See Academic Regulations in Catalog) 51 cr. hrs. *43

Area 1. Basic Requirements (15 hours)

	Substitutes/Date
_____ A. English Composition (Eng 101 and (102 or 103)) or Eng 111 (WI)	_____
_____ B. Communication (Comm 100)	_____
_____ C. Mathematics * (See Math Core)	_____
_____ D. Physical Education (Kine 103 and Kine 101)	_____

Area 2. Humanities and Fine Arts (9 hours)

	Substitutes/Date
_____ A. Appreciation (Art 110 or Mus 110 or Th 110) (Select 1)	_____
_____ B. Literature (Eng 261,262 or Eng 271,272 or Eng 281,282) (Select 1)	_____
_____ C. Eng 150 or Eng 305 or Eng 261,262 or Eng 271,272 or Eng 281,282 or Phil 201 or Phil 212 or Art 110 or Mus 110 or Th 110 (Select 1)	_____

Area 3. Natural Science and Behavioral Sciences (12 hours)

	Substitutes/Date
_____ A. Biology (Bio 101)	_____
_____ B. Physical Science * (See Supporting Requirements)	_____
_____ C. Psychology ((Psy 100 recommended) or Soc 110)	_____

Area 4. American Cultural Studies (12 hours)

	Substitutes/Date
_____ A. History (Hist 110 and (Hist 120 or Hist 320))	_____
_____ B. Government (PSc 120)	_____
_____ C. Economics (Econ 180)	_____

Area 5. International Cultural Studies (3 hours)

	Substitutes/Date
_____ A. Hist 130 or Hist 140 or Geog 211 or Soc 155 or Foreign Language or GB 310 or Soc 342 or Comm 305 or Soc 303 or CJAd 301 or Phil 320 or Eng 385	_____

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

Course:	Prerequisite:	Substitutes/Date
Comp 110 Programming I		

	Fall / Spring	Math 112 or >	
Comp 210	Programming II Fall / Spring	Comp 110	
Comp 234	Business Data Processing Techniques (COBOL) Fall	Comp 210	
CIS 335	Object Oriented Programming Fall	CIS 350	
CIS 315	Computer Networks Spring	Co-req CIS 305 & Math 112 or MM 237 or CAMT 310	
CIS 350	Data Structures Spring	Comp 210	
CIS 360	Computer Graphics Spring, Odd	Math 150 and Comp 210	
CIS 425	Database Management Systems (WI) Spring	Comp 234	
CIS 430	Introduction to Artificial Intelligence Fall, Odd	CIS 350 and Math 300	
CIS 450	Operating Systems (WI) Spring	CIS 350	
CIS	Elective Numbered 305 or above		

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

Course:	Prerequisite:	Substitutes/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 Fundamentals of Mathematical Thought Spring	Math 260	
Math 350 Introduction to Numerical Analysis (Spring,Odd) OR	Math 250 and Comp 110 or >	
Math 431 Numerical Analysis (Spring,Even)	Math 322 and Comp 110 or >	
Math 351 Linear Algebra (Fall, Even)	Math 300	
Math 371 Introduction to Operations Research Fall, Odd	Math 260 and Programming ability	
Math	Elective numbered 320 or above	
Math	Elective numbered 320 or above	

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

Course:	Prerequisite:	Substitutes/Date
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Phys and Chem Electives (Must include one from each) (Excluding Chem 100, Phys 100, Phys 120, Phys 140, Phys 180, Phys		
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F. General Electives (See CIS Department in Catalog) 6 cr. hrs.

Course:
