

Advisor: _____

Check List
CIS 5111 (Bioinformatics)
Total 124 credit hours (40 must be Upper Division)
2002 – 2004 Catalog

Student Name _____ SSN: _____

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

Grade	Area 1. Basic requirements (12 hours)	Date
_____	A. English Composition (Eng 101 and 102 or Eng 111 (WI))	_____
_____	B. Communication (Comm 100)	_____
_____	C. Mathematics (Math 130 or above) * (Math Core)	_____
Grade	Area 2. Humanities and Fine Arts (9 hours)	Date
_____	A. Fine Arts (Art 110 or Mus 110 or Th 110) (Select 1)	_____
_____	B. Literature (Eng 261, 262, 271, 272, 281, 282) (Select 1)	_____
_____	C. Humanities (Eng 150, 305, 261, 262, 271, 272, 281, 282 Phil 201, 212, Art 110, Mus 110, Th 110) (Select 1)	_____
Grade	Area 3. Natural Science and Behavioral Sciences (12 hours)	Date
_____	A. Biology (Bio 101)	_____
_____	B. Phys 100 Fundamentals of Physical Science	_____
_____	C. Behavioral Science (Psy 100 or Soc 110) (Select 1)	_____
Grade	Area 4. American Cultural Studies (9 hours)	Date
_____	A. U. S. History (Hist 110 and (Hist 120 or Hist 320))	_____
_____	B. Govt: US, State, & Local Government (PSc 120)	_____
Grade	Area 5. MSSC Special Emphasis (9 hours)	Date
_____	A. International Cultural Studies (Hist 130 or 140, 150, Geog 211, 310, Anth 155, 342, Foreign Language, IB 310, Comm 305, Soc 303, CJAd 301, Phil 320, Eng 385, IntS 201) (Select One)	_____
_____	B. Health and Wellness (Kine 101 and Kine 103)	_____
_____	C. Economics (Econ 180 or Econ 201)	_____

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

Grade	Courses:	Prerequisite:	Date
_____	CIS 110 Programming I (F, S)	Co-req Math 130 >	_____
_____	CIS 210 Programming II (F, S)	CIS 110	_____
_____	CIS 302 Information Systems I (WI) (S)	(CIS 110 or CIS 305 or MM 237) Eng 102 or 111	_____
_____	CIS 310 Database Mgmt. Sys. I (F, S)	CIS 210	_____
_____	CIS 315 Computer Networks (S)	CIS 110 or CIS 305 or MM 237 or CADD 115	_____
_____	CIS 345 UNIX System Admin. (F)	CIS 210	_____
_____	CIS 350 Data Structures (S)	CIS 210	_____
_____	CIS 370 Adv. Obj. Oriented Prog. (F)	CIS 210	_____
	OR		
_____	CIS 430 Intro. to Artificial Intelligence (D)	CIS 350	_____
_____	CIS 410 Information Systems II (F)	CIS 302	_____
_____	CIS 425 Database Mgmt. Sys. II (WI) (S)	CIS 310 and CIS 410	_____
_____	CIS 450 Operating Systems (WI) (F)	CIS 350 and CIS 345	_____

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

Grade	Course	Prerequisite	Date
_____	Bio 101 General Biology (F, S)		_____
_____	Bio 210 Molecular Biology (F, S)	Bio 101 and Chem 102	_____
_____	Bio 231 General & Medical Microbio (F, S)	Bio 101 or 121, Chem 100 or 101	_____
_____	Bio 305 Genetics (F, S)	Bio 101	_____
_____	Bio 405 Bioinformatics		_____
_____	Bio Upper Division Elective *		_____
_____	Bio Upper Division Elective *		_____
_____	Bio Upper Division Elective *		_____
_____	Bio Upper Division Elective *		_____

D. Supporting Requirements (See CIS Department in Catalog) (17 cr. hrs.)

Grade	Course	Prerequisite	Date
_____	Bio 290 Research Methods in Bio (WI) (D)	Bio 101 and Math 140	_____
_____	Chem 100 Intro Chemistry I (F, S, SS)	Math 30	_____
_____	Math 140 Algebra and Trigonometry	Math 30	_____
_____	Phys 151 Elem College Physics I (F, S, SS)	Math 140	_____

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

Grade	Course	Prerequisite	Date
_____	_____		_____
_____	_____		_____

* Bio 250, Bio 301, Bio 363, Bio 364, Bio 371,
Bio 440, Bio 442, Bio 450, Bio 456, Bio 499