

KANSAS STATE UNIVERSITY

1993 GUIDE TO REQUIREMENTS

FOR

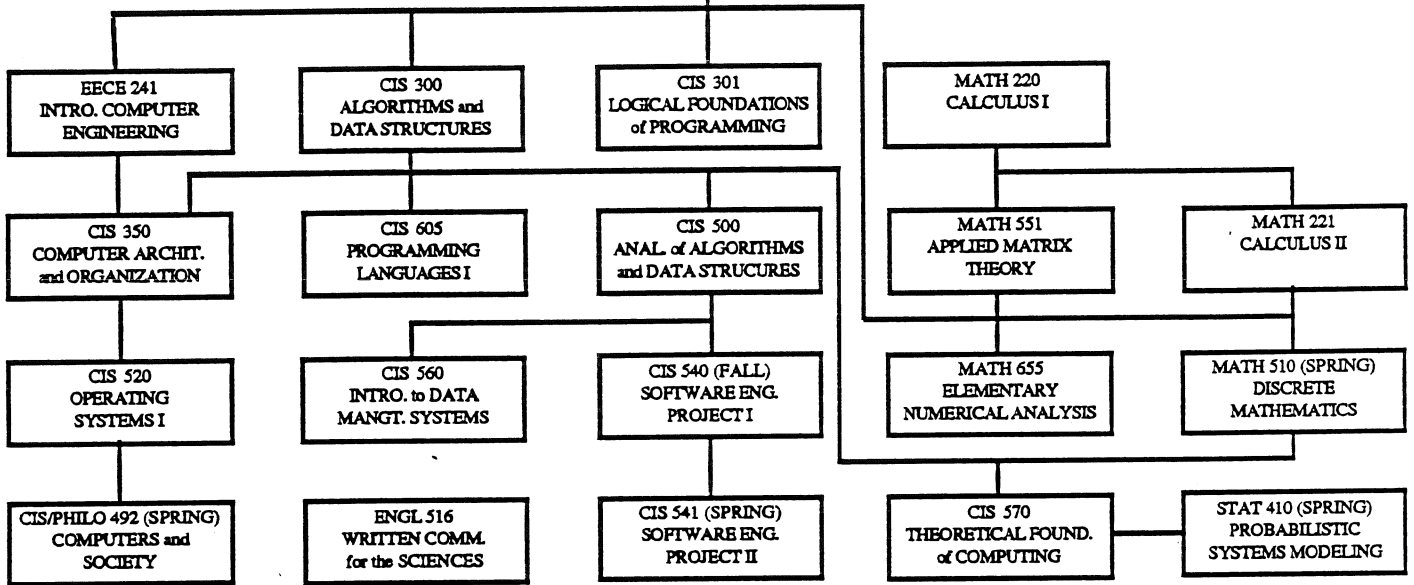
MAJORS IN COMPUTER SCIENCE & INFORMATION SYSTEMS

To major in computer science or information systems you must meet the general requirements of the University, the general requirements of the College of Arts and Sciences, and the requirements of the Department of Computing and Information Sciences (all of which are listed in the General Catalog). The requirements for the BS and BA degrees are outlined on the sample curriculum guide check sheets. An up-to-date copy of the curriculum guide will be kept in your folder in the CIS office for your use during advising. You need to have a CIS advisor's signature to enroll.

The Computer Science Major with BS degree is accredited by the Computer Science Accreditation Commission (CSAC) of the Computing Sciences Accreditation Board (CSAB), a specialized accrediting body recognized by the Council on Postsecondary Accreditation (COPA) and the U.S. Department of Education.

COMPUTER SCIENCE REQUIREMENTS

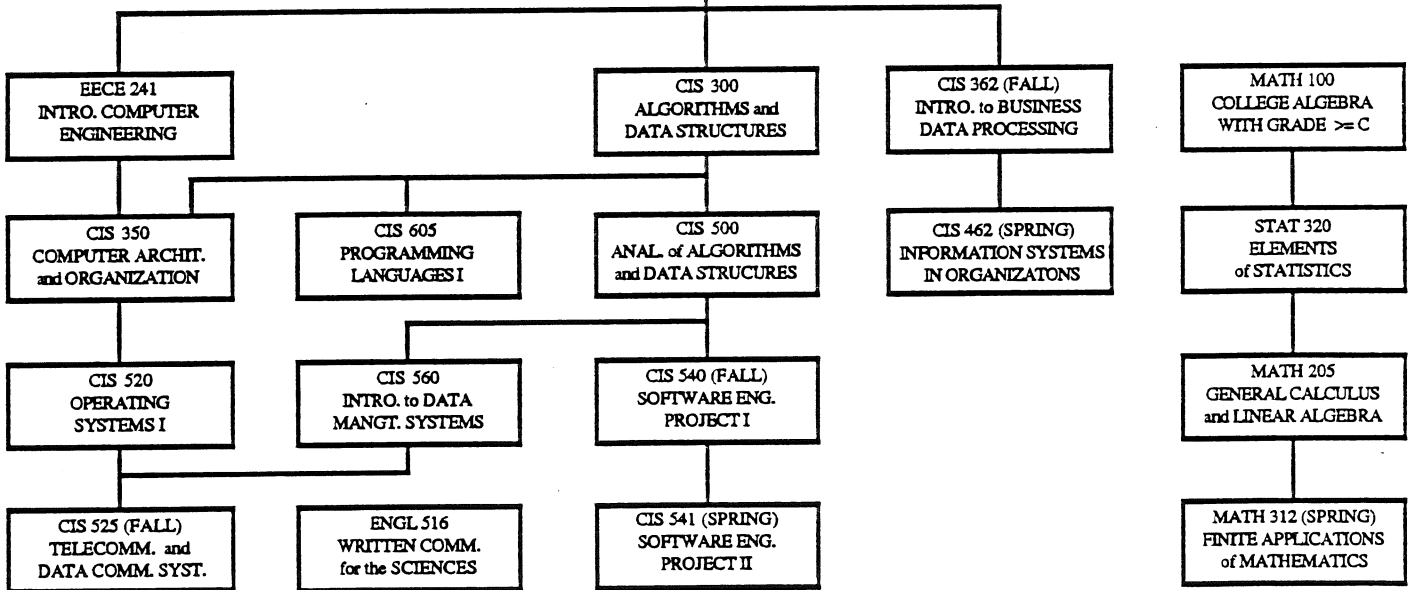
CIS 200/203
FUNDAMENTALS OF COMP. PROGRAMMING
LECTURE/LABORATORY



TECHNICAL ELECTIVES APPROVED BY ADVISOR
6 HOURS FOR BA - 9 HOURS FOR BS

INFORMATION SYSTEMS REQUIREMENTS

CIS 200/203
FUNDAMENTALS OF COMP. PROGRAMMING
LECTURE/LABORATORY



TECHNICAL ELECTIVES APPROVED BY ADVISOR
9 HOURS FOR BA - 12 HOURS FOR BS

NAME _____

MAJOR _____

ADDRESS _____

DEGREE _____

DATE _____

Courses for Computer Science

Courses for Information Systems

Courses for Requirements for Both Degrees

Anal Geom & Calc I	MATH220	4	Elem of Statistics	STAT320	3
Anal Geom & Calc II	MATH221	4	Gen Calc & Lin Alg	MATH205	3
Discrete Math#	MATH510	3	Finite Applications#	MATH312	3
Prob System Modeling#	STAT410	3	Intro Business Prog*	CIS362	3
Logical Found	CIS301	3	Info. Systems#	CIS462	3
Comp. & Society#	CIS492	3	Telecomm.*	CIS525	3
Theo. Found of Comp.	CIS570	3	Written Comm for Sc	ENGL516	3

See Current Listing for Courses That Fulfill Requirements

English I	3
English II	3
Oral Communications	2-3
Concepts of PE	1

BS Degree Only

Written Comm for Sc	E516	3
Elem Numerical Anal*	M655	3
or		
Numerical Computing*	CIS580	3

Courses for BA Degree

Courses for BS Degree

Humanities (4 Courses)	12	Humanities (4 Courses)
1. Fine Arts	_____	1. Fine Arts
2. Philosophy	_____	2. Philosophy
3. Western Heritage	_____	3. Western Heritage
4. Literary or Rhetorical Arts	_____	4. Literary or Rhetorical Arts

Courses required for BOTH Majors

Fund. of Computer Programming	CIS 200	3
Fund. Language Laboratory	CIS 203	1
Intro. to Computer Engineering	EECE 241	3
Algor. & Data Structures	CIS 300	3
Computer Archit. & Prog.	CIS 350	3
Anal of Algorithms & Data Struct	CIS 500	3
Operating Systems I	CIS 520	3
Software Engineering Project I*	CIS 540	3
Software Engineering Project II#	CIS 541	3
Intro to Data Management Systems	CIS 560	3
Programming Languages I	CIS 605	3

Social Sciences (4 Courses)	12	Social Sciences (4 Courses)
1. _____	_____	1. _____
2. _____	_____	2. _____
3. _____	_____	3. _____
4. Courses must be 500-799 or have prereq. in same dept.	_____	4. Course must be 500-799 or have prereq. in same dept.

* Fall ONLY

Spring ONLY

Natural Sciences (3 Courses)	11	Natural Sciences (4 Courses)
1. Life Science w/Lab	_____	1. Life Science w/Lab**
2. Physical Science w/Lab	_____	2. Physical Science w/Lab**
3. Life or Physical Science	_____	3. Life or Physical Science
4. Course w/ prereq. in same dept.**	_____	4. Course w/ prereq. in same dept.**

Technical Electives To Be Approved By Advisor: (6 hrs for BA degree, 9-12 hours for BS degree)

- _____
- _____
- _____
- _____

Foreign Languages (4 Courses)	15	Quantitative requirement is met by majoring in CMPSC or INSYS
1. _____	_____	
2. _____	_____	
3. _____	_____	
4. _____	_____	
Math (1 Course)	3	Internat'l Overlay (1 course)
1. _____	_____	1. _____

Note: A grade of C or better must be obtained in each course used to meet CS and IS major requirements. Before attempting any CIS course a grade of C or better must be earned in every prerequisite course.

**SCIENCES FOR CS/BS

- BIOL 198
- CHM210/PHYS213/GEOL100 & 130
- BIOL201/CHM230/PHYS214/GEOL300

AREAS OF TECHNICAL ELECTIVES - 1993

COMPUTER SCIENCE MAJORS

BA select 6 hours, BS select 9 hours as follows:

Courses taken to meet the Computer Science major may not be used as technical electives. Technical electives must be Computing and Information Sciences 500 level and above.

INFORMATION SYSTEM MAJORS

BA select 6 hours, BS select 12 hours from the suggested coursework for a particular track.

DATABASE MANAGER

CIS 600	Microcomputer Software
CIS 761	Data Base Management Systems
MANGT 420	Management Concepts
MANGT 421	Production/Operations Management
MANGT 466	Management Information Systems

INFORMATION SYSTEMS ANALYST/DESIGNER

CIS 740	Software Engineering
ACCT 211	Financial Accounting
FINAN 450	Business Finance
MANGT 420	Management Concepts
MANGT 466	Management Information Systems
MKTG 400	Marketing

MANAGEMENT INFORMATION SYSTEMS

ACCT 211	Financial Accounting
MKTG 400	Marketing
FINAN 450	Business Finance
MANGT 466	Management Information Systems
CIS 762	Office Automation
PSYCH 560	Industrial Psychology

APPLICATIONS PROGRAMMER

CIS 600	Microcomputer Software
CIS 535	Introduction to Computer-Based Knowledge Systems
CIS 636	Computer Graphics
CIS 740	Software Engineering
CIS 745	Software Development Management

COMMUNICATIONS ANALYST

CIS 600	Microcomputer Software
CIS 750	Advanced Computer Architecture
CIS 762	Office Automation
CIS 725	Computer Networks
PSYCH 425	Problem Solving and Decision Making