Last name: _____ First name: _____ JAG ID: _____

Date of Entry: _____ Advisor: _____

Area I. Composition/Communication (6 credit hours)

ROTATION	Sem/Yr	COURSE
		EH 101-English Comp I
		EH 102-English Comp 2 or EH 105

Area II. Humanities and Fine Arts (12 credit hours)[1]

Two courses in Humanities or Social Sciences: must be either a Literature (Eh 215-216, EH 225-226, EH 235-236) or a History (HY 101-102, HY 135-136) sequence

		CA 110 Public Speaking
		(1) Art, Drama, Music[1]
		(1) Literature[2]
		(1) Fine/Perf. Arts/Hum elective

Area III. Natural Sciences and Mathematics

A. Natural Sciences (8 credit hours-must include associated lab)
Approved areas: PH, CH, GY, BLY, GEO, MAS

B. Mathematics and Statistics (9 credit hours)

		MA 120, MA 125 or MA 267
		(1) BUS 245 or ST 210 (1) BUS 255 or ST 340

Area IV. History, Social and Behavioral Sciences (12 cred. hours)

		ECO 215
		(2) Electives from AN, ECO, GEO, HY, PSC, PSY or SY
		(1) History[3]

Information Systems Environment (15 credit hours)

		ACC 211 Financial Accounting
		ECO 215 Princ Microeconomics[4]
		MGT 300 Mgt Theory & Practice
		(2) Approved Electives from ACC, ECO, FIN, MGT, MKT

Information Systems CORE (41 credit hours)

ROTATION	Sem/Yr	COURSE
Fa/Sp		CA 275 Dec. Making - Small Groups
Fa/Sp/Su		EH 372 or EH 373 (W)
Fa/Sp		CIS 115 Beginning Programming[5]
Fa/Sp		ISC 245 IS in Organizations
Fa/Sp/Su[8]		ISC 272 Systems Architecture
Fa/Sp		ISC 285 Intermediate Programming
Fa/Sp/Su[8]		CIS 300 Info Tech in Society
Fa/Sp/Su[8]		CIS 321 Data Com & Network
Fa/Sp/Su[8]		CIS 324 Database Design Dev & Mgmt
Fa/Sp		ISC 360 IS Analysis & Design (W)
Fa/Sp		ISC 361 Database for IS
Fa/Sp		ISC 462 IS Strategy & Policy
Fa/Sp		ISC 475 IS Proj. Management
Fa/Sp		CIS 497 Sr. Capstone Experience (W)[6]
Fa/Sp		CIS 498 CIS Senior Seminar[7]

ISC Electives (12 credit hours):
Choose an ISC focus track (below), an ITE focus track[9] or an alternative plan approved by IS advisor

Health Informatics

Fa/Sp/Su[8]		HI 300 Health Info Clinical Env
Fa/Sp/Su[8]		HI 410 Health Informatics
Sp/Su[8]		HI 450 Health Data Security / Compliance
Fa/Su[8]		HI 455 Health Data Mgt & Decision Support

Information Systems Advanced App Development

Sp		ISC 472 Adv Data Management
Sp		ITE 474 Human Comp Interface
Su[8]		ITE 490 SpTop—Cloud Computing

Recommendation: Information Systems majors are encouraged to look into the General Business minor requirements for courses that could satisfy both IS Environ. and Gen. Bus. Requirements.

[1] Approved courses: ARS101, DRA110, MUL101, ARH100, ARH103, ARH123, ARH240 or 242
[2] Approved Lit courses: EH 215 EH216, EH225, EH226, EH235 or EH236(W)
[3] Approved History courses: HY 101, HY 102(WC), HY 135 or HY 136(US)
[4] ECO 215 also counts as a Social Sciences course
[5] MA 112 or higher, or math placement score of 65 or higher
[6] Must be taken during the last semester in the program
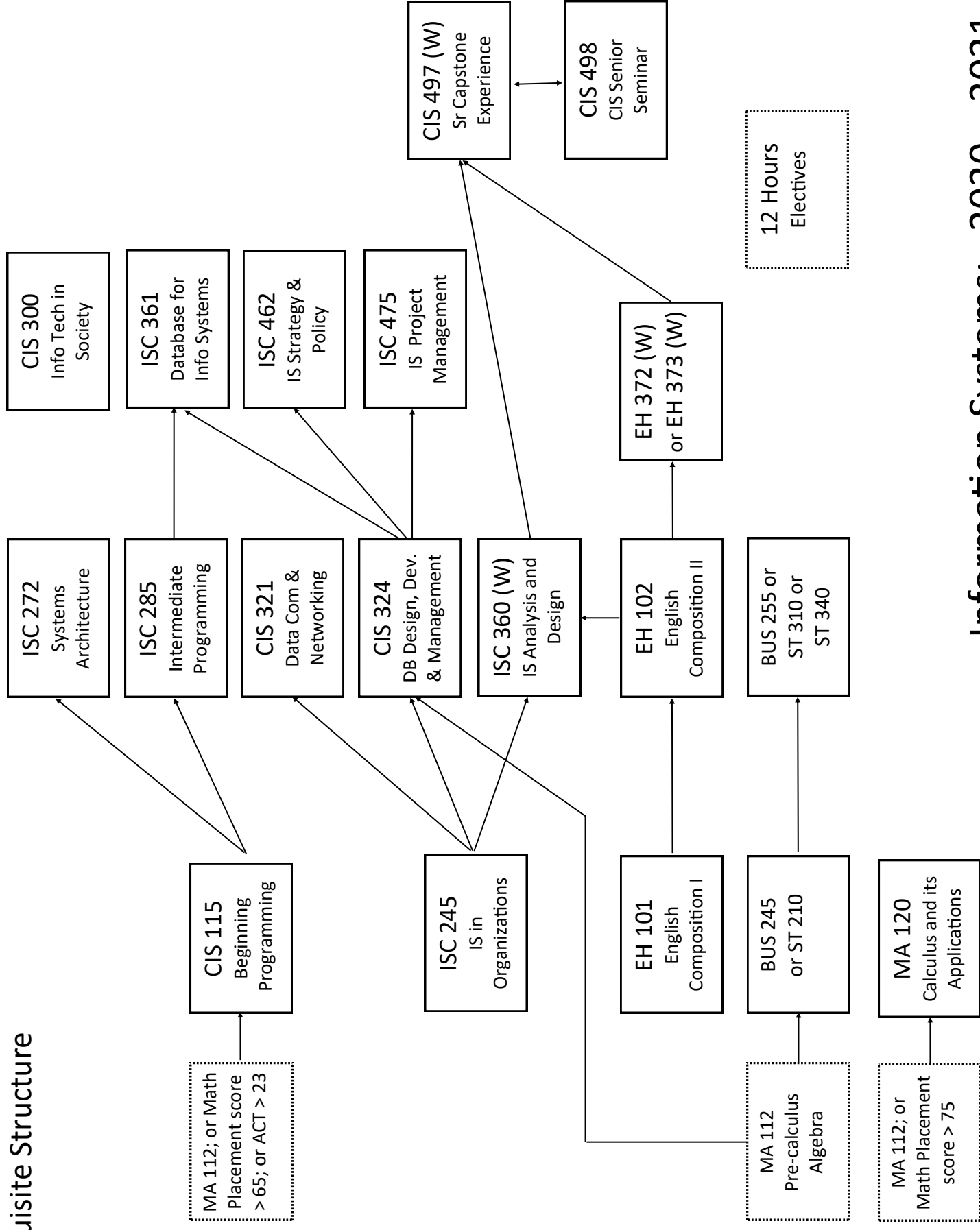[7] Must be taken during the last semester in the program with CIS 497
[8] Summer courses offered as needed
[9] See IT Course Requirements for available tracks

Special Symbol Used: W—Writing Intensive Course

Prerequisite Structure

Information Systems: 2020—2021

CIS 497 (W) Sr Capstone Experience

CIS 498 CIS Senior Seminar

12 Hours Electives

CIS 300 Info Tech in Society

ISC 361 Database for Info Systems

ISC 462 IS Strategy & Policy

ISC 475 IS Project Management

EH 372 (W) or EH 373 (W)

ISC 272 Systems Architecture

ISC 285 Intermediate Programming

CIS 321 Data Com & Networking

CIS 324 DB Design, Dev. & Management

ISC 360 (W) IS Analysis and Design

EH 102 English Composition II

BUS 255 or ST 310 or ST 340

CIS 115 Beginning Programming

ISC 245 IS in Organizations

EH 101 English Composition I

BUS 245 or ST 210

MA 120 Calculus and its Applications

MA 112; or Math Placement score > 65; or ACT > 23

MA 112 Pre-calculus Algebra

MA 112; or Math Placement score > 75