

Knowledge Systems Institute Graduate School Computer and Information Sciences Major Checklist

Required Prerequisite Courses (if applicable)	Credits	Grade	√	Repeat?
CIS321 Computer Languages	3			
CIS331 Database Programming	3			
CIS340 Operating Systems or CIS341 UNIX	3			
CIS370 Introduction to Computer Networks	3			
Required Core Courses (6)	Credits	Grade	√	Repeat?
BA531 Data Mining	3			
CIS501 Information System Design	3			
CIS502 Database Management Systems	3			
CIS503 Theory of Computation	3			
CIS504 Programming Languages	3			
CIS510 Software Project Management	3			
Required Area Courses (3)	Credits	Grade	√	Repeat?
BA501 Management Information Systems	3			
BA511 Statistics	3			
CIS506 Advanced Operating Systems	3			
CIS507 Principles of Computer Networks	3			
CIS508 Database Network Administration & Tuning	3			
CIS509 Knowledge Engineering	3			
CIS520 Advanced Computer Networks & Security	3			
CIS522 Computer Security and Cryptography	3			
CIS566 Software Testing Techniques	3			
CIS567 Software Test Automation	3			
HI536 Business Intelligence in Health Informatics	3			
HI581 Foundations of Health Informatics	3			

Thesis Courses (Research Project)	Credits	Grade	√
CIS599A – Thesis Part A	3		
CIS599B – Thesis Part B	3		
CIS599C – Thesis Part C	3		

Comprehensive Exam	Date Taken	Grade	√

TOEFL (if applicable)	Date Taken	Grade	√
Score:			
Score:			

KSI Registration/Grading Policies:

- ~ Students must take a minimum of two courses per semester
- ~ Students must maintain a 'B' in all Core Courses
- ~ Students must maintain a 'B' average in all Area Courses
- ~ It is the student's responsibility to satisfy all graduation requirements. Please refer to the KSI catalog for major detail requirements

**Knowledge Systems Institute Graduate School
 Computer Information Sciences Major Checklist
 Concentration: Management Information Systems**

Required Prerequisite Courses (if applicable)	Credits	Grade	√	Repeat?
BA301 Principles of Management or BA302 Accounting Principles and Computerized Applications or BA305 Principles of Marketing	3			
CIS321 Computer Languages	3			
CIS331 Database Programming	3			
CIS370 Introduction to Computer Networks	3			
Required Core Courses (6)	Credits	Grade	√	Repeat?
BA501 Management Information Systems	3			
BA503 Decision Support Systems	3			
BA531 Data Mining	3			
CIS501 Information System Design	3			
CIS502 Database Management Systems	3			
CIS510 Software Project Management	3			
Required Area Courses (4)	Credits	Grade	√	Repeat?
BA504 Business Management	3			
BA511 Statistics	3			
BA533 Fundamentals of Knowledge Management	3			
CIS503 Theory of Computation	3			
CIS504 Programming Languages	3			
CIS506 Advanced Operating Systems	3			
CIS507 Principles of Computer Networks	3			
CIS509 Knowledge Engineering	3			
CIS566 Software Testing Techniques	3			
HI536 Business Intelligence in Health Informatics	3			

Thesis Courses (Research Project)	Credits	Grade	√
CIS599A – Thesis Part A	3		
CIS599B – Thesis Part B	3		
CIS599C – Thesis Part C	3		

Comprehensive Exam	Date Taken	Grade	√

TOEFL (if applicable)	Date Taken	Grade	√
Score:			
Score:			

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Knowledge Systems Institute Graduate School
Computer and Information Sciences Major Checklist
Concentration: Computer Networks

Required Prerequisite Courses (if applicable)	Credits	Grade	√	Repeat?
CIS321 Computer Languages	3			
CIS331 Database Programming	3			
CIS340 Operating Systems or CIS341 UNIX	3			
CIS370 Introduction to Computer Networks	3			
Required Core Courses (6)	Credits	Grade	√	Repeat?
BA531 Data Mining	3			
CIS501 Information System Design	3			
CIS502 Database Management Systems	3			
CIS507 Principles of Computer Networks	3			
CIS520 Advanced Computer Networks & Security	3			
CIS522 Computer Security and Cryptography	3			
Required Area Courses (4)	Credits	Grade	√	Repeat?
CIS504 Programming Languages	3			
CIS506 Advanced Operating Systems	3			
CIS508 Database Network Administration & Tuning	3			
CIS509 Knowledge Engineering	3			
CIS566 Software Testing Techniques	3			
HI536 Business Intelligence in Health Informatics	3			

Thesis Courses (Research Project)	Credits	Grade	√
CIS599A – Thesis Part A	3		
CIS599B – Thesis Part B	3		
CIS599C – Thesis Part C	3		

Comprehensive Exam	Date Taken	Grade	√

TOEFL (if applicable)	Date Taken	Grade	√
Score:			
Score:			

KSI Registration/Grading Policies:

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- ~ Students must maintain a 'B' average in all Area Courses
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**Knowledge Systems Institute Graduate School
 Computer and Information Sciences Major Checklist
 Concentration: Information Security**

Required Prerequisite Courses (if applicable)	Credits	Grade	√	Repeat?
CIS321 Computer Languages	3			
CIS331 Database Programming	3			
CIS340 Operating Systems or CIS341 UNIX	3			
CIS370 Introduction to Computer Networks	3			
Required Core Courses (6)	Credits	Grade	√	Repeat?
BA531 Data Mining	3			
CIS501 Information System Design	3			
CIS502 Database Management Systems	3			
CIS504 Programming Languages	3			
CIS507 Principles of Computer Networks	3			
CIS522 Computer Security and Cryptography	3			
Required Area Courses (4)	Credits	Grade	√	Repeat?
BA511 Statistics	3			
CIS506 Advanced Operating Systems	3			
CIS508 Database Network Administration & Tuning	3			
CIS509 Knowledge Engineering	3			
CIS520 Advanced Computer Networks	3			
CIS566 Software Testing Techniques	3			
HI536 Business Intelligence in Health Informatics	3			

Thesis Courses (Research Project)	Credits	Grade	√
CIS599A – Thesis Part A	3		
CIS599B – Thesis Part B	3		
CIS599C – Thesis Part C	3		

Comprehensive Exam	Date Taken	Grade	√

TOEFL (if applicable)	Date Taken	Grade	√
Score:			
Score:			

KSI Registration/Grading Policies:

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- ~ Students must maintain a 'B' average in all Area Courses
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Knowledge Systems Institute Graduate School
Computer and Information Sciences Major Checklist
Concentration: Knowledge Management

Required Prerequisite Courses (if applicable)	Credits	Grade	√	Repeat?
CIS321 Computer Languages	3			
CIS331 Database Programming	3			
CIS340 Operating Systems or CIS341 UNIX	3			
CIS370 Introduction to Computer Networks	3			
Required Core Courses (6)	Credits	Grade	√	Repeat?
BA501 Management Information Systems	3			
BA531 Data Mining	3			
BA533 Fundamentals of Knowledge Management	3			
BA534 Topics in Knowledge Management	3			
CIS502 Database Management Systems	3			
CIS510 Software Project Management	3			
Required Area Courses (4)	Credits	Grade	√	Repeat?
BA504 Business Management	3			
BA511 Statistics	3			
BA535 Knowledge Acquisition and Modeling with UML	3			
CIS501 Information System Design	3			
CIS504 Programming Languages	3			
CIS507 Principles of Computer Networks	3			
CIS509 Knowledge Engineering	3			
CIS566 Software Testing Techniques	3			

Thesis Courses (Research Project)	Credits	Grade	√
CIS599A – Thesis Part A	3		
CIS599B – Thesis Part B	3		
CIS599C – Thesis Part C	3		

Comprehensive Exam	Date Taken	Grade	√

TOEFL (if applicable)	Date Taken	Grade	√
Score:			
Score:			

KSI Registration/Grading Policies:

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Knowledge Systems Institute Graduate School
Computer and Information Sciences Major Checklist
Concentration: Software Engineering

Required Prerequisite Courses (if applicable)	Credits	Grade	√	Repeat?
CIS321 Computer Languages	3			
CIS331 Database Programming	3			
CIS340 Operating Systems or CIS341 UNIX	3			
CIS370 Introduction to Computer Networks	3			
Required Core Courses (6)	Credits	Grade	√	Repeat?
BA531 Data Mining	3			
CIS501 Information System Design	3			
CIS502 Database Management Systems	3			
CIS504 Programming Languages	3			
CIS510 Software Project Management	3			
CIS566 Software Testing Techniques	3			
Required Area Courses (4)	Credits	Grade	√	Repeat?
CIS503 Theory of Computation	3			
CIS506 Advanced Operating Systems	3			
CIS507 Principles of Computer Networks	3			
CIS508 Database Network Administration & Tuning	3			
CIS509 Knowledge Engineering	3			
CIS567 Software Test Automation	3			
HI536 Business Intelligence in Health Informatics	3			

Thesis Courses (Research Project)	Credits	Grade	√
CIS599A – Thesis Part A	3		
CIS599B – Thesis Part B	3		
CIS599C – Thesis Part C	3		

Comprehensive Exam	Date Taken	Grade	√

TOEFL (if applicable)	Date Taken	Grade	√
Score:			
Score:			

KSI Registration/Grading Policies:

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