Articulation agreements between Central Lakes College (CLC), and The College of St. Scholastica (CSS)

These four agreements allow graduates of CLC's 2-year IT AAS degree programs to transfer their credits to CSS's Bachelor's degree in Computer Information Systems.

For students planning to transfer to The College of St. Scholastica and major in Computer Information Systems following departmental equivalencies are provided. The table below lists The College of St. Scholastica's CIS major requirements along with equivalent courses at Central Lakes College. In addition to the major core requirements, students must also complete coursework that satisfies the CSS general education requirements. The College of St. Scholastica accepts the Minnesota Transfer Curriculum (MnTC) as satisfying the College's lower division general education requirements except for the religious studies requirement.

Computer Information Technology Equivalent or Substitution	B.S. CIS Program
The College of St. Scholastica accepts the Minnesota Transfer Curriculum (MnTC) as satisfying the College's lower division general education requirements except for the religious studies requirement.	CSS General Education Requirements
PHIL 1411 World Religions	Religious Studies
Complete at The College of St. Scholastica	Writing Intensive
COMP 1120 Introduction to Computer Applications	CIS 1004 Computing Concepts
Complete at The College of St. Scholastica	CIS 1007 Introduction to Databases
COMP 1204 Computer Repair I	CIS 2011 Hardware/Software Systems
Complete at The College of St. Scholastica	CIS 2085 Programming I with Java
Complete at The College of St. Scholastica	CIS 2087 Programming II with Java
Complete at The College of St. Scholastica	CIS 3105 MIS / CIS 3089 Data Structures
Complete at The College of St. Scholastica	CIS 3107 Database Modeling
Complete at The College of St. Scholastica	CIS 3108 Systems Analysis and Design
Complete at The College of St. Scholastica	CIS 4109 Systems Development Implementation
Complete at The College of St. Scholastica	CIS 4555 Software Develop. Internship (4-16 cr)
MATH 1460 Intro to Statistics, 1477 Calculus, or PHIL 1460 Logic (MATH 1460 recommended) OR complete at CSS	Discrete Math, Logic, Calculus, or Statistics
Complete at The College of St. Scholastica	Upper Division CIS Elective
COMP 2202 Computer User Support	Upper Division CIS Elective
COMP 1230 Network Essentials	Upper Division CIS Elective
	End User Computing - Custom Concentration
COMP 2111 Security Essentials	Custom Concentration Course 1
COMP 1253 Client Operating Systems Admin	Custom Concentration Course 2
COMP 2153 Client Operating Systems Mgt.	Custom Concentration Course 3
COMP 2170 Linux Systems	Custom Concentration Course 4

Bachelor of Science Degree in CIS

About The College of St. Scholastica's Computer Information Systems Program

The 100 percent online Bachelor of Arts/Science in Computer Information Systems offers students a flexible and convenient path into the rapidly evolving IT career field. Graduates of the program will be skilled in the following areas:

- Analysis, design and construction of solutions to simple and complex problems.
- Evaluation, selection and application of methods and software tools to meet organizational needs.
- Communication of ideas through oral presentations, written documents and software documentation.
- Working effectively as a member of a team to complete a project under project management direction.
- Articulation and application of personal and organizational values within the context of professional codes of ethics.
- Researching, learning and applying new technologies and/or methodologies.

The College of St. Scholastica's CIS Program Benefits

- ➢ Preparation for a variety of IT-related careers
- ➢ Available in a fully online format with concentrations in healthcare or management
- ➢ Students work with an advisor to design a unique degree completion plan that fits their needs

Transferring to The College of St. Scholastica from Central Lakes College

The College of St. Scholastica accepts the Minnesota Transfer Curriculum (MnTC) as satisfying the College's lower division general education requirements except for the religious studies requirement. The College also accepts credits in transfer to satisfy major requirements as noted in this guide. Grades earned must be a C or better for transfer. To transfer credits an official transcript must be sent directly to St. Scholastica.

Career Opportunities

CS/CIS graduates are prepared for a variety of IT-related careers, from web development to systems analysis to software engineering. In a field as dynamic as Computer Science, your future job may not even exist yet!

According to the Bureau of Labor Statistics, employment for computer network, systems and database administrators is expected to grow by 28 percent over the next decade. This broad category includes web developers, web administrators and other computer-related positions.

Requirements for Admission to the CIS Program

- ➢ High school diploma or GED
- ➢ Cumulative GPA of at least 2.0 for entrance into the college

Note: Meeting minimum entrance requirements does not guarantee admission. The College may still consider applicants with a lower GPA through a special status committee; contact an admissions counselor to learn more.

St. Scholastica Graduation Requirements

- ➢ Minimum 128 semester credits earned
- ➢ Minimum 42 upper division credits (at or above the 3000 level)
- ➢ Last 32 credits taken at The College of St. Scholastica, 16 credits in the major
- ➢ Complete the requirements for general education and your major
- ➢ Meet all GPA requirements for the major

For more information contact:

Amie Anderson
Brainerd Center Manager
(877) 287-8752
aander10@css.edu

For students planning to transfer to The College of St. Scholastica (CSS) and major in Computer Information Systems the following departmental equivalencies are provided. The table below lists The College of St. Scholastica's CIS major requirements along with equivalent courses at Central Lakes College (CLC). In addition to the major core requirements, students must also complete coursework that satisfies the CSS general education requirements. The College of St. Scholastica accepts the Minnesota Transfer Curriculum (MnTC) as satisfying the College's lower division general education requirements except for the religious studies requirement.

CNA – Cyber Security Equivalent or Substitution	B.S. CIS Program
The College of St. Scholastica accepts the Minnesota Transfer Curriculum (MnTC) as satisfying the College's lower division general education requirements except for the religious studies requirement.	CSS General Education Requirements
PHIL 1411 World Religions	Religious Studies
Complete at The College of St. Scholastica	Writing Intensive
Waived for students with AAS-CNA Cyber Security	CIS 1004 Computing Concepts
Complete at The College of St. Scholastica	CIS 1007 Introduction to Databases
COMP 1122 IT Essentials	CIS 2011 Hardware/Software Systems
Complete at The College of St. Scholastica	CIS 2085 Programming I with Java
Complete at The College of St. Scholastica	CIS 2087 Programming II with Java
Complete at The College of St. Scholastica	CIS 3105 MIS / CIS 3089 Data Structures
Complete at The College of St. Scholastica	CIS 3107 Database Modeling
Complete at The College of St. Scholastica	CIS 3108 Systems Analysis and Design
Complete at The College of St. Scholastica	CIS 4109 Systems Development Implementation
Complete at The College of St. Scholastica	CIS 4555 Software Develop. Internship (4-16 cr)
MATH 1460 Intro to Statistics, MATH 1477 Calculus, or PHIL 1460 Logic (MATH 1460 recommended) OR complete at CSS.	Discrete Math, Logic, Calc, or Statistics
Complete at The College of St. Scholastica	Upper Division CIS Elective
COMP 2130 Scaling Networks	Upper Division CIS Elective
COMP 2155 Network Intrusion	Upper Division CIS Elective
	Computer Security Custom Concentration
COMP 2111 Security Essentials	Custom Concentration Elective 1
COMP 2150 Windows Server Administration	Custom Concentration Elective 2
COMP 2115 Command Line Administration	Custom Concentration Elective 3
COMP 2154 Advanced Network Defense	Custom Concentration Elective 4

Bachelor of Science Degree in CIS

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- Analysis, design and construction of solutions to simple and complex problems.
- Evaluation, selection and application of methods and software tools to meet organizational needs.
- Communication of ideas through oral presentations, written documents and software documentation.
- Working effectively as a member of a team to complete a project under project management direction.
- Articulation and application of personal and organizational values within the context of professional codes of ethics.
- Researching, learning and applying new technologies and/or methodologies.

The College of St. Scholastica's CIS Program Benefits

- Preparation for a variety of IT-related careers
- Available in a fully online format with concentrations in healthcare or management
- Students work with an advisor to design a unique degree completion plan that fits their needs

Transferring to The College of St. Scholastica from Central Lakes College

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Career Opportunities

CS/CIS graduates are prepared for a variety of IT-related careers, from web development to systems analysis to software engineering. In a field as dynamic as Computer Science, your future job may not even exist yet!

According to the Bureau of Labor Statistics, employment for computer network, systems and database administrators is expected to grow by 28 percent over the next decade. This broad category includes web developers, web administrators and other computer-related positions.

Requirements for Admission to the CIS Program

- High school diploma or GED
- Cumulative GPA of at least 2.0 for entrance into the college

Note: Meeting minimum entrance requirements does not guarantee admission. The College may still consider applicants with a lower GPA through a special status committee; contact an admissions counselor to learn more.

St. Scholastica Graduation Requirements

- Minimum 128 semester credits earned
- Minimum 42 upper division credits (at or above the 3000 level)
- Last 32 credits taken at The College of St. Scholastica, 16 credits in the major
- Complete the requirements for general education and your major
- Meet all GPA requirements for the major

For more information contact:

Amie Anderson
Center Manager
(877) 287-8752
aander10@css.edu

For students planning to transfer to The College of St. Scholastica (CSS) and major in Computer Information Systems the following departmental equivalencies are provided. The table below lists The College of St. Scholastica's CIS major requirements along with equivalent courses at Central Lakes College (CLC). In addition to the major core requirements, students must also complete coursework that satisfies the CSS general education requirements. The College of St. Scholastica accepts the Minnesota Transfer Curriculum (MnTC) as satisfying the College's lower division general education requirements except for the religious studies requirement.

Computer Network Administration Equivalent or Substitution	B.S. CIS Program
The College of St. Scholastica accepts the Minnesota Transfer Curriculum (MnTC) as satisfying the College's lower division general education requirements except for the religious studies requirement.	CSS General Education Requirements
PHIL 1411 World Religions	Religious Studies
Complete at The College of St. Scholastica	Writing Intensive
COMP 1120 Introduction to Computer Applications	CIS 1004 Computing Concepts
Complete at The College of St. Scholastica	CIS 1007 Introduction to Databases
COMP 1204 Computer Repair I	CIS 2011 Hardware/Software Systems
Complete at The College of St. Scholastica	CIS 2085 Programming I with Java
Complete at The College of St. Scholastica	CIS 2087 Programming II with Java
Complete at The College of St. Scholastica	CIS 3105 MIS / CIS 3089 Data Structures
Complete at The College of St. Scholastica	CIS 3107 Database Modeling
Complete at The College of St. Scholastica	CIS 3108 Systems Analysis and Design
Complete at The College of St. Scholastica	CIS 4109 Systems Development Implementation
Complete at The College of St. Scholastica	CIS 4555 Software Develop. Internship (4-16 cr)
MATH 1460 Intro to Statistics, MATH 1477 Calculus, or PHIL 1460 Logic (MATH 1460 recommended)	Discrete Math, Logic, Calculus, or Statistics
Complete at The College of St. Scholastica	Upper Division CIS Elective
COMP 2111 Security Essentials	Upper Division CIS Elective
COMP 1230 Network Essentials	Upper Division CIS Elective
	Network Administration Custom Concentration
COMP 2150 Windows Server Administration I	Custom Concentration Course 1
COMP 2151 Windows Server Administration II	Custom Concentration Course 2
COMP 2152 Windows Server Administration III	Custom Concentration Course 3
COMP 2115 Command Line Administration	Custom Concentration Course 4

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- Working effectively as a member of a team to complete a project under project management direction.
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The College of St. Scholastica's CIS Program Benefits

- Preparation for a variety of IT-related careers
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Requirements for Admission to the CIS Program

- High school diploma or GED
- Cumulative GPA of at least 2.0 for entrance into the college

Note: Meeting minimum entrance requirements does not guarantee admission. The College may still consider applicants with a lower GPA through a special status committee; contact an admissions counselor to learn more.

St. Scholastica Graduation Requirements

- Minimum 128 semester credits earned
- Minimum 42 upper division credits (at or above the 3000 level)
- Last 32 credits taken at The College of St. Scholastica, 16 credits in the major
- Complete the requirements for general education and your major
- Meet all GPA requirements for the major

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Computer Network Administration - Cisco Equivalent or Substitution	B.S. CIS Program
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PHIL 1411 World Religions	Religious Studies
Complete at The College of St. Scholastica	Writing Intensive
Waived w/ AAS in Computer Network Adm-Cisco	CIS 1004 Computing Concepts
Complete at The College of St. Scholastica	CIS 1007 Introduction to Databases
COMP 1122 IT Essentials	CIS 2011 Hardware/Software Systems
Complete at The College of St. Scholastica	CIS 2085 Programming I with Java
Complete at The College of St. Scholastica	CIS 2087 Programming II with Java
Complete at The College of St. Scholastica	CIS 3105 MIS / CIS 3089 Data Structures
Complete at The College of St. Scholastica	CIS 3107 Database Modeling
Complete at The College of St. Scholastica	CIS 3108 Systems Analysis and Design
Complete at The College of St. Scholastica	CIS 4109 Systems Development Implementation
Complete at The College of St. Scholastica	CIS 4555 Software Develop. Internship (4-16 cr)
MATH 1460 Intro to Statistics, 1477 Calculus, or PHIL 1460 Logic (MATH 1460 recommended)	Discrete Math, Logic, Calc, or Statistics
Complete at The College of St. Scholastica	Upper Division CIS Elective
COMP 2130 Scaling Networks	Upper Division CIS Elective
COMP 2131 Connecting Networks	Upper Division CIS Elective
	Network Administration Custom Concentration
COMP 2150 Windows Server Administration I	Custom Concentration Elective 1 (5 cr.)
COMP 2115 Command Line Administration	Custom Concentration Elective 2 (4 cr.)
COMP 2170 Linux Systems	Custom Concentration Elective 3 (4 cr.)
COMP 2132 Cisco IOS Security AND 2133 VOIP	Custom Concentration Elective 4 (3 cr.)

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