

SYSTEMS ANALYSIS AND DESIGN CERTIFICATE

Department of Information Systems and Quantitative Analysis,
College of Information Science & Technology

Vision Statement

The goal of the ISQA graduate certificate program in systems analysis and design is to allow post-baccalaureate students and working professionals to expand their educational background and complete work that could count towards a graduate degree. Earning the graduate certificate will enhance students' skill sets; provide exposure to new information technologies, theories and practices; allow individuals to work towards various professional certifications; increase growth potential with employers; and increase prospects of obtaining a graduate degree. The graduate certificate program offers existing technical and managerial professionals the chance to improve and hone their communication skills to aide in their professional development.

The systems analysis and design certificate will provide students with the advanced technical, organizational and managerial background to become systems or business analysts and software developers.

Program Contact Information

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Program Website (<https://www.unomaha.edu/college-of-information-science-and-technology/information-systems-and-quantitative-analysis/graduate/graduate-certificates.php>)

Admissions

Application Deadlines (Spring 2021, Summer 2021, and Fall 2021)

- Fall: July 1
- Spring: December 1
- Summer: April 1

Program-Specific Requirements

- Applicants are required to have a command of oral and written English. Those who do not hold a baccalaureate or other advanced degree from the United States, **OR** a baccalaureate or other advanced degree from a predetermined country on the waiver list, must meet the minimum language proficiency score requirement in order to be considered for admission. Minimum scores required for this program are:
 - Paper-based TOEFL: 550
 - Computer-based: 223

- Internet-based TOEFL: 80
- IELTS: 6.5
- PTE: 53
- The minimum undergraduate grade point average requirement for the Systems Analysis & Design Certificate is 3.00 or equivalent score on a 4.00 scale. Applicants should have the equivalent of a 4-year undergraduate degree.
- **Applicants with International Transcripts:** Any applicant to this program who has completed undergraduate or graduate coursework at an international higher education institution outside of the United States may submit transcripts and degree certificates (with an English translation) in lieu of a course-by-course transcript evaluation from World Education Services (<https://www.wes.org/>) (WES), Educational Credential Evaluators (<https://www.ece.org/>) (ECE), or Educational Perspectives (<https://www.edperspective.org/>). This graduate program will conduct an in-house credential evaluation of your transcript(s).
 - UNO reserves the right to require a course-by-course evaluation from WES, ECE, or Educational Perspectives if the program is unable to complete an evaluation or should there be any questions or concerns about the documentation that is received. You will be notified by the individual program if an external course-by-course evaluation is required.
 - *Note: If you are admitted, official transcripts and degree certificates (with an English translation)/official course-by-course transcript evaluation, and any applicable official exam scores are required.

Degree Requirements

Prerequisite Requirements

The following courses are prerequisites for the required courses. Elective courses may have additional prerequisites. All prerequisites must be completed with grades of 'B' or better.

Code	Title	Credits
Select one of the following:		3
ISQA 8030	INFORMATION SYSTEMS AND ETHICS	3
or equivalent		
ISQA 4900	FULL STACK DEVELOPMENT	3
or equivalent		
Select one of the following:		3-9
ISQA 8040	AN OVERVIEW OF SYSTEMS DEVELOPMENT	
ISQA 4110 & ISQA 4120 & ISQA 3310	INFORMATION SYSTEMS ANALYSIS and SYSTEM DESIGN AND IMPLEMENTATION and MANAGING THE DATABASE ENVIRONMENT	

Requirements

No more than two courses (6 credit hours maximum) can be used on two MIS-related certificates (Data Analytics, Information Assurance, Project Management, and Systems Analysis and Design).

Code	Title	Credits
Required Courses		
ISQA 8210	MANAGEMENT OF SOFTWARE DEVELOPMENT	3
ISQA 8220	ADVANCED SYSTEMS ANALYSIS AND DESIGN	3
ISQA 8410	DATA MANAGEMENT	3
Electives		
Select one of the following:		3

ISQA 8420	MANAGING THE I.S. FUNCTION
ISQA 8106	INFORMATION SYSTEMS ARCHITECTURE AND ORGANIZATION
ISQA 8080	SEMINAR IN MANAGEMENT INFORMATION SYSTEMS ¹
ISQA 8086	SPECIAL TOPICS: INFORMATION SYSTEMS & QUANTITATIVE ANALYSIS ¹
ISQA 8900	INDEPENDENT RESEARCH IN MANAGEMENT INFORMATION SYSTEMS ¹
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Total Credits	12

¹ Topic must be related to systems analysis and design. Prior approval from the GPC is required to use this course.

Completion of the Certificate

During what is expected to be the semester the certificate is completed and prior to the posted deadline, students should apply for the certificate through **MavLINK** on or before the deadline. If you complete the application form and do not complete all of the requirements for the certificate, contact the Office of Graduate Studies as soon as possible. You must **reapply** during the next semester in which you expect to complete the certificate; no additional fee is charged to reactivate your application.

The following requirements are due 12 working days prior to commencement:

- “Incomplete” and “NR” grades from previous terms must be removed so that the grade will be in the Office of Graduate Studies.
- All fees, fines, and other obligations due the university must be settled.

For students currently enrolled in courses that are a part of their plan of study, enrollment must be maintained in order to complete the certificate. A grade for any current enrollment must be received by the Registrar's Office no later than the close of business on the fifteenth working day following the end of a semester.

Awarding of Graduate Certificates

The Office of Graduate Studies will mail the certificate to students when all requirements are completed and all obligations to the university are satisfied. The Graduate College will not approve any changes in the student's permanent record once the certificate is awarded.