

BACHELOR OF ARTS IN MATHEMATICAL SCIENCES

ONLINE

UNIVERSITY OF
ILLINOIS
SPRINGFIELD

The Bachelor of Arts in Mathematical Sciences is designed to prepare students for careers using mathematics, operations research, and statistics in the fields of teaching, research, industry, insurance, and management or for graduate study in Mathematical Sciences or related areas. Those who plan to teach mathematics or work in engineering or the physical sciences should choose mathematics courses as electives. Those who wish to apply mathematical methods to life sciences, social sciences, or business fields should choose operations research or statistics courses. Any of these choices provide excellent preparation for graduate work in fields that need quantitative skills.

TARGET AUDIENCE:

Students who seek to participate actively in dynamic, diverse, and interactive online learning communities, and complete their degrees in their own time via the Internet.

ADMISSION REQUIREMENTS:

To apply to enter the online Mathematics (MAT) Program, students must have a grade point average of 2.00 or higher on a 4.00 scale from an accredited college or university. All upper division math classes have prerequisites; students may enter the university without three semesters of calculus but these must be completed before taking any math class which requires them.

COST:

See: <http://www.uis.edu/registration/tuition/index.html>

REGISTRATION PROCEDURE:

Once admitted, students can register via <http://www.uis.edu/registration>. For information about application, admission, transcript evaluation, registration, and financial aid processes, students should check the website: <http://www.uis.edu/registration>.

ACADEMIC CALENDAR:

Fall, spring and summer semesters.

DELIVERY MODE:

Entirely online via the Internet. Lake County students who do not have access to a computer should contact

the University Center for convenient computer access. Some exams may be proctored.

TEXTBOOK PURCHASE:

The UIS Follett's Bookstore can be accessed at: <http://www.uis.bkstr.com> or other online providers.

TRANSFER HOURS POLICY:

Contact the Online Program Coordinator for specifics and see general information about the UIS transfer process at: <http://www.uis.edu/admissions/transfer/>

ACCREDITATION:

Higher Learning Commission of the North Central Association of College and Schools

TOTAL HOURS NEEDED:

60 credit hours in upper division course work plus transfer hours for a total of 120 hours.

FINANCIAL AID INFO:

Call (217) 206-6724 or visit the website at <http://www.uis.edu/financialaid>.

CONTACT PERSON(S):

John Snyder
Online Program Coordinator
Phone: (217) 206-8272
E-mail: mat@uis.edu

ADDRESS:

University of Illinois Springfield
One University Plaza
Springfield, IL 62703

WEBSITE:

<http://www.uis.edu/math>

REQUIRED COURSES:

Major Requirements:

MAT 330	Entrance Assessment	(0 credit hours)
MAT 332	Linear Algebra	4 hours
MAT 415	Advanced Calculus	4 hours
MAT 431	Mathematical Statistics I	4 hours
MAT 444	Operations Research Methods	4 hours
One of the following clusters:		8 hours
Cluster A:	MAT 403, Abstract Algebra, MAT 404, Geometry	
Cluster B:	MAT 421, Statistical Methods, MAT 432, Mathematical Statistics II	
Math Electives		8 hours
UIS Engaged Citizenship Coursework		(available online) 10 hours
Upper Division General Electives		(if needed, may be transfer) 18 hours
Total Hours:		60 hours

Minor Requirements:

The UIS Mathematical Sciences program offers an online Mathematics minor to complement the University's online majors. It requires students to take 24 semester hours, of which 12 hours must be upper division coursework taken at UIS.