Biomedical Diagnostics, MS

This 100 percent online, one-year program grounds you in the field of biomedical diagnostics, studying procedures that provide information to screen, detect, diagnose and monitor disease. ASU's partnership with Dublin City University of Ireland lets you learn from expert international faculty about applied research, technology development, regulation and best practices.

Program Description

Degree Awarded: MS Biomedical Diagnostics

The MS in biomedical diagnostics is designed to be completed in one year, if enrolled full-time. This degree is offered entirely through ASU's unique online framework and offered primarily in condensed sessions.

The program has four areas that provide the foundation for the degree program: application of diagnostics, business of diagnostics, science of diagnostics, and technology of diagnostics.

Students complete a culminating experience in which they work with ASU professors or industry partners on a topic relevant to the diagnostics field.

At a Glance

- **College/School:** College of Health Solutions
- **Location:** online

Degree Requirements

30 credit hours including an applied project (BMD 593)

**Required Core (19 credit hours)**
BMD 502 Foundations of Biomedical Informatics Methods I (3)
BMD 510 Current Perspectives in Biomedical Diagnostics (3)  
BMD 511 Health Economics, Policy and Payment Models (3)  
BMD 513 Principles of Diagnostic Technology: Immunoassays (4)  
BMD 514 Principles of Diagnostic Technology: Molecular Diagnostics (3)  
BMD 667 Regulation of Medical Diagnostics (3)

Electives (6 credit hours)

Research (2 credit hours)

Culminating Experience (3 credit hours)  
BMD 593 Applied Project (3)

Additional Curricular Information
Students should see the academic unit for an approved elective list of BMD courses.

Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university in one of the following fields, or a closely related field: biomedical informatics, biology, life sciences, chemistry, biochemistry, engineering, biomedical engineering, business, computer science, supply chain management, health sciences or medical studies.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee  
2. official transcripts  
3. 2 letters of recommendation  
4. statement of purpose  
5. proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency (students should see the Graduate College requirement https://admission.asu.edu/international/graduate/english-proficiency).
There are no required admission examinations.

Attend Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here.

Application Deadlines

Fall
Spring

Global Opportunities

PLuS Alliance
Global Experience
Global Degree

Career Opportunities

Contact Information

College of Health Solutions | Mayo Clinic 13212 E Shea Blvd, Scottsdale, AZ
CHSGrad@asu.edu | 480-884-0220