Biomedical Diagnostics, MS

NHBMDMS

This 100% online, one-year program grounds you in the field of biomedical diagnostics, studying the science, technologies, business and applications of diagnostics.

Program Description

Degree Awarded: MS Biomedical Diagnostics
The MS program in biomedical diagnostics can be completed in one year, if enrolled full-time. The flexible, innovative degree program is offered in condensed sessions through ASU's unique online framework.

Four areas provide the progressing foundation of the degree program:

- science of diagnostics
- technology of diagnostics
- business of diagnostics
- application of diagnostics

Students complete a culminating experience in which they work on a team-based project with an ASU professor and industry partner on a topic relevant to the diagnostics field.

At a Glance

- College/School: College of Health Solutions
- Location: Online

Degree Requirements
31 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 (3 credit hours)
BMD 592 Research (3)

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. They should note that BMD 592 and BMD 593 are contiguous courses and cannot be taken in different years.

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 cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (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. two letters of recommendation
4. statement of purpose
5. proof of English proficiency
Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Graduate College requirement https://admission.asu.edu/international/graduate/english-proficiency.

Admission examinations are not required.

Attend Online

ASU 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

Career Opportunities

Professional opportunities are quite broad and depend on the individual's educational and work backgrounds as well as the personal interests of the student. Graduates can pursue diverse options such as executive leadership or entrance to medical school. The following career examples are just a small portion of the possibilities:

- account manager
- clinical laboratory management
- clinical laboratory technologist
- clinical research coordinator
- quality analyst
- marketing manager
- product manager
- research analyst
- sales representative

Contact Information

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