



BTECH DEGREE - CODE #3172

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The Imaging Science (BTech) program is designed to provide an upper-level, online vehicle by which students or working professionals who have earned an associate degree, or a certificate of completion from JCERT accredited program, can pursue baccalaureate degree credentialing. It targets those individuals currently working as radiologic technologists who wish to advance into professional positions in management or healthcare administration in addition to advancing their clinical imaging skills. Academic delivery of required coursework will be accomplished through flexibly scheduled online courses.

As an upper-level bachelor's degree completion program, applicants will need to possess an associate degree in a healthcare related field (or have accumulated a minimum of 60 credits therein), ARRT certification, and have completed a minimum of 20 LAS credits that include fulfillment of the specifically required general education categories. Applicants must submit an official transcript and their acceptance will be an admissions determination, in consultation where needed with the Allied Health Department chair.

To further increase clinical competencies in imaging science, matriculated students will be required to select and complete an upper-level certificate that will allow students to gain additional credentials or certifications. Alfred State has developed two on-year certificates in computed tomography (CT) and magnetic resonance imaging (MRI). These two certificates, including their clinicals, have been registered in distance education format by the New York State Education Department. These two certificate programs have already been reviewed and approved by SUNY and NYSED. Completion of the certificates in CT or MRI will allow graduates that already hold radiologic technology credentials (ARRT) the ability to sit for the certification exam in either area through the ARRT. Additional imaging certificates may be added as BTech degree options as they are developed and approved by SUNY and the NYS Department of Education.

Complementing the certificate requirement will include an emphasis on developing career-specific managerial skills through core management courses that encompass specific exposure to the area of healthcare.

Management electives in support of that objective will include options in healthcare finance/accounting; human resourced; communications' employment law, ethics and policies; information systems; marketing; and quality control.

ADVANTAGES

The imaging science (BTech) program is designed to provide an upper-level, online vehicle by which students or working professionals who have earned an associate degree (AAS), or a certificate of completion for a JCERT accredited program, can pursue bachelor degree credentialing. It targets those individuals currently working as radiologic technologists who wish to advance into professional positions such as management and healthcare administration, teaching, or sales in addition to advancing their clinical imaging skills. The BTech in imaging science will provide convenient access for working adults through flexible online courses. It is supported by regional and state allied health care industry needs.

This program allows current students to expand their education within Alfred State College and further facilitate obtainment of professional goals with a higher degree earned for their specialty.

CONTINUING EDUCATION OPPORTUNITIES

Graduates with this BTech degree can transfer directly into a master of business administration (MBA) or masters of health administration program (MHA) at another college.

OCCUPATIONAL OPPORTUNITIES

- Hospitals (government and private)
- Nursing homes
- Private clinics
- Surgical centers
- Diagnostic centers
- Private physician offices
- Education
- Sales
- Application specialist

EMPLOYMENT STATISTICS

The United States Department of Labor, Bureau of Labor Statistics does not differentiate computed tomography (CT) technicians from magnetic resonance imaging (MRI) technicians for reporting purposes. Employment of magnetic resonance imaging clinicians is projected to grow 13% from 2016 to 2026, much faster than the average for all occupations. Nation-wide in 2016 there were 241,700 employed noted by the United States Bureau of Labor Statistics.

According to the United States Department of Labor, Bureau of Labor Statistics there were 352,200 jobs nationally in 2016. This is expected to grow 20% in 2016-2026 nationally. This is considered to be faster than average growth.

RELATED PROGRAMS

- [Computed Tomography](#)
- [Diagnostic Medical Sonography](#)
- [Radiologic Technology](#)

ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Applicants for the imaging science program must possess either a recognized Associate of Applied Science (AAS) degree in radiologic technology or possess a certificate of completion from a Joint Review Committee on Education in radiologic technology (JRCERT) program. They must also have American Registry of Radiologic Technologists (AART) certification.

REQUIRED EQUIPMENT

A tier 1 laptop computer is required for students entering the accounting program. Laptop specifications are available at <http://www.alfredstate.edu/required-laptops>.

OFFICE OF ACCESSIBILITY SERVICES

Students who believe they need a reasonable accommodation to properly participate in this program may contact Melanie Ryan in the Office of Accessibility Services. This office may be contacted by email at oas@alfredstate.edu or by phone at 607-587-4506. Please keep in mind that some accommodations may take time to implement, so students seeking accommodations are encouraged to contact OAS as early as possible.

IMAGING SCIENCE - BTECH

TYPICAL FOUR-SEMESTER PROGRAM

First (Fall - Junior)

XXXX	xxxx4	HCM/MRI/CT Concentration	4
XXXX	xxx3	HCM/MRI/CT Concentration	3
XXXX	xxx3	HCM/MRI/CT Concentration	3
XXXX	xxx3	Technical elective (upper)	3
GLST	2113	Global & Diverse Perspectives	3
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Second (Spring - Junior)

XXXX	xxx3	HCM/MRI/CT Concentration	3
XXXX	xxx3	MRI/CT Clinic/HCM Concentration	3
HLTH	6003	Healthcare Management	3
XXXX	xxx3	Technical Elective (upper)	3
XXXX	xxx3	GE/LAS Elective	3
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Third (Fall - Senior)

XXXX	xxx3	GE/LAS Elective	3
HLTH	5223	Info Systems in Healthcare	3
HLTH	5333	Healthcare Law and Ethics	3
IMSC	7003	Advanced Imaging Pathology	3
IMSC	7203	Accred & Regs Imaging Science	3
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Fourth (Spring - Senior)

XXXX	xxx3	GE/LAS Elective	3
HLTH	7103	Healthcare Quality Improvement	3
HLTH	7003	Healthcare Compliance	3
XXXX	xxx3	Technical Elective (upper)	3
XXXX	xxx3	Technical Elective (upper)	3
			15