

University Brochure

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American
University *of*
Technology

flexible, credible, and affordable



Welcome



Welcome to the American University of Technology!

We are excited to have you join our university community. At ATECH, we are committed to providing quality career and technical education in a flexible, competency-based format. Our programs are designed to meet the needs of students who are seeking low-cost training in high-demand job fields.

Our academic programs are developed in response to industry demand and create an educational pathway for individuals seeking to secure entry-level positions or currently working in the industry to achieve their academic goals without having to resign from a job. Individual courses are designed to provide students with the skills needed to become competent professionals, broaden their knowledge, and build lifelong careers.

We have developed this handbook to provide specific information on the curriculum, instructional approach, and expectations for our programs and the institution at large. We are dedicated to transforming lives through career-focused education. Please feel free to contact us if you have any questions.

Sincerely,

David Seyi Akanbi, PhD

Director of Programs

American University of Technology

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Overview



American University of Technology is a degree-awarding higher institution that serves online students with career-focused programs designed to meet the educational demands of today's busy adults using competency-based and accelerated learning methods. We leverage cutting-edge technology to provide personalized, accelerated, and competency-based degree programs that prepare students not only for current jobs, but also for disruptive technological changes in the future. Our programs have the following features:



Personalized Learning: Personalized and customized learning model that provides students the flexibility to set and control their progress, cost, schedules, and deadlines.



Accelerated Learning: Accelerated courses can be started any time and completed when students master the content by demonstrating proficiency.



Competency-Based Learning: Students can leverage real-world work experience to accelerate learning while acquiring additional knowledge that can be applied on the job immediately.

Mission - To leverage cutting-edge technology to provide personalized and competency-based degree programs that prepare students for current jobs and disruptive technological changes in the future and meet the needs of students desiring education and training in high-demand jobs.

Vision - To educate and empower students to start or advance their careers, become experts within a reasonable period, and solve real-life problems.

Licensure/ Accreditation



American University of Technology is licensed by the Board of Regents of the State of Louisiana. The conditional license is for three years and does not constitute accreditation, guarantee the transferability of credit, nor signify that programs are certifiable by any professional agency or organization. For more details: <https://regents.la.gov/>



EAHEA
European Agency for Higher Education & Accreditation

American University of Technology is accredited by the European Agency for Higher Education and Accreditation (EAHEA). EAHEA is an international quality assurance, rating, and accreditation agency, working to improve quality assurance standards of educational organizations all over the world. With its global network of experts, EAHEA grants accreditation to educational institutes, vocational institutions, distance learning centers, corporations, professionals, and qualified individuals. EAHEA's International Accreditation represents an education provider's commitment to delivering quality that is on a par with the global standards. For more details: www.eahea.org



European Centre of Independent Certification in E-Learning

American University of Technology is accredited by the European Centre of Independent Certification in E-Learning (ECICEL). ECICEL Accredited Membership is a system of review that periodically evaluates the extent to which an institution achieves its own objectives and meets the standards determined by ECICEL. Members are assessed to ensure that learners receive a product that is consistent with the values and policies set by the ECICEL.

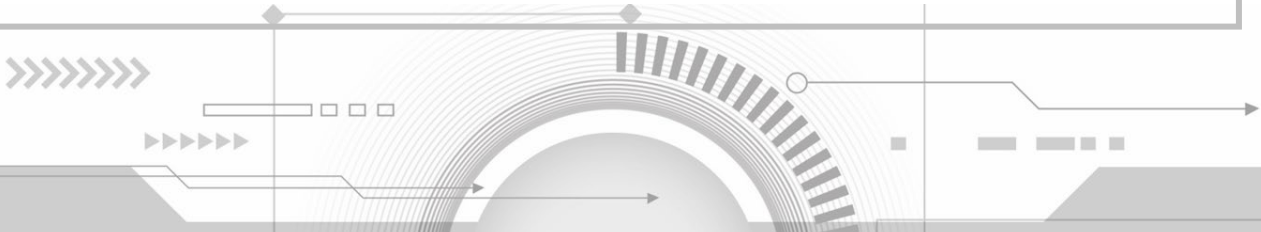
Partnership



To enable us to fulfill our vision, mission, and objectives, the University received support from the following organizations in terms of partnership, IT infrastructure, instructional content, and digital learning assets.



Grow with **Google**



Instructional Approach



We have two instructional approaches. The methods are a response to the need for a postsecondary education designed for working adults and others unsuited to traditional campus study. These approaches enable students to make personal connections with the curriculum and help them apply their knowledge to a variety of experiences:



Self-Paced Learning

A personalized and customized competency-based learning model that provides students with the flexibility to set and control their progress, cost, schedules, and deadlines. Accelerated courses can be started anytime and completed when students master the content by demonstrating proficiency. This model provides course content and resources in several formats and gives students a variety of ways to demonstrate what they have learned. Demonstrating competencies can be in the form of assessments, research papers, or hands-on projects. Students will be able to leverage real-world work experience to accelerate learning while acquiring additional knowledge that can be applied on the job immediately.



Cohort-Based Learning

Our cohort-based learning model provides active, interactive, and collaborative learning environments for students to grow their knowledge and skills through the sharing of ideas, experience, and insights. This learning path brings students together to learn through enriching discussions and collaboration on real-world problems or projects. Courses have start dates, scheduled assignments and deadlines, and weekly discussions with the faculty through the LMS. The learning path is structured with clearly-defined timelines that enable working professionals to fit career development into their busy schedules. Students will build professional and personal networks that may continue after graduation.

Course Delivery



Regardless of the instructional approach, most of our courses are asynchronous, which means students can log in and complete academic activities at their own convenient time. Our technology-based learning provides a unique interactive experience with faculty members and students. Students are expected to spend 16 hours per week in learning activities to complete weekly milestones related to each course.

The actual hours a student works may vary depending on prior knowledge, experience, and ability. Students are expected to have meaningful weekly contact with an instructor (in person or via phone/Teams/Zoom). The faculty will monitor and report meaningful weekly contact and satisfactory progress to the Student Records Office.

For the cohort-based learning model courses, new learning projects are presented to students every Monday, which must be completed by the following Monday. Students must have a personal Internet email address and Web access. In many cases, access through public libraries and free email services is sufficient. Below is the schedule for the cohort-based courses.

Digital Campus



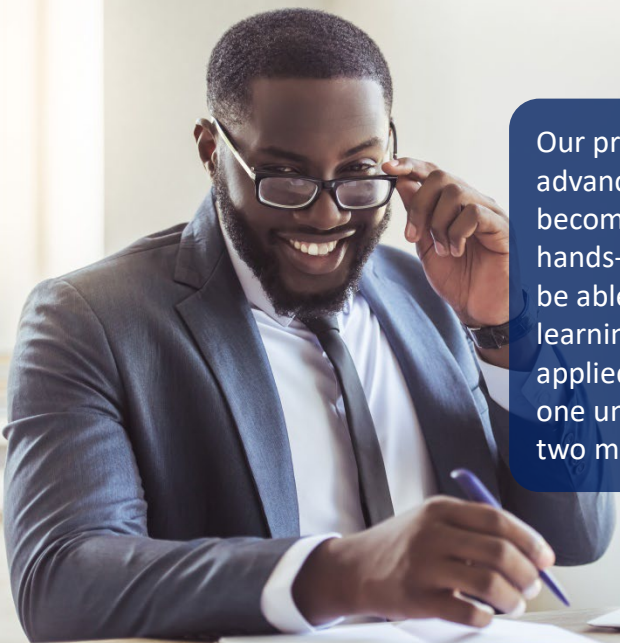
ATECH Digital Campus provides an interactive hub for all learning activities, making it easy to manage their studies and access a wealth of course materials, quizzes, assignments, and live classrooms. Students can log in from anywhere, at any time, and access course content on phone and tablet devices, as well as on desktop computers. The digital campus is developed with a responsive design that adapts to various screen sizes. The digital campus covers academics, admissions, billing, and library, among others. Students can download the mobile app that provides the same great experience as the desktop version. The digital campus also integrates seamlessly with our Google Apps for Education and other third-party applications that students need to complete all learning activities. The University Digital Campus includes the following:

- ❖ **Digital Library** – The University will provide students with access to a Digital Library accessible anytime on any device at any location globally, through Library and Information Resources Network (LIRN). Students and faculty members will have access to millions of peer-reviewed and full-text journals, magazines, newspaper articles, e-books, podcasts, audio, and video resources from Skillsoft, ProQuest, ERIC, e-Library, and more. Students will also have access to other Open Educational Resources (OER) such as Open Textbook Library, OpenStax, and MERLOT II among others. Students will be required to use online learning resources as needed to successfully complete coursework, assignments, and scholarly requirements, and to develop information-seeking skills for self-directed studies and lifelong learning.
- ❖ **Free eBooks** - The University will leverage Open Educational Resources for the undergraduate programs. Our students will have access to free online textbooks to support their learning through University's partners. Instructors will provide the PDF version of the recommended textbook in addition to other digital materials such as video lectures, tutorials, and online resources. Students may purchase hard copies of the recommended textbooks if desired. All textbooks purchased by students for study and used in coursework preparation are their personal property.
- ❖ **Coursera for Campus** – The American University of Technology has partnered with Coursera to provide students with job-relevant learning and credentials. The University has access to more than 4,000 high-quality courses to enhance core curricula, offer credit-eligible and supplemental learning to students, and deliver lifelong learning to alumni, faculty, and staff. Faculty members will use Coursera's world-class tools and powerful learning analytics to author content, assessments, and hands-on projects.



Programs

Our programs are designed to empower students to start or advance their careers and to solve real-life problems and become experts within a reasonable period. Our courses are hands-on, project-based, and application-focused. Students will be able to leverage real-world work experience to accelerate learning while acquiring additional knowledge that can be applied on the job immediately. The University currently offers one undergraduate certificate program, two bachelor's degrees, two master's degrees, and one doctoral program.





Certificate in Information Technology



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We offer cost-effective, streamlined, and industry-relevant courses leading to industry-recognized certifications. These programs provide instructional content in several formats, allowing students the freedom to demonstrate understanding in diverse ways, and using interactivities and multimedia to motivate learners to complete learning activities.

Each course contains self-paced interactive videos, simulations, graphical illustrations, and textual instructional materials that adapt the content to align with individual learning needs. Our system measures students' performance and provides real-time feedback or updates as learning progresses.

Our 18-credit certificate program is a self-paced and accelerated program designed specifically for individuals seeking to secure entry-level positions or advance their careers in the IT industry. Each course contains hands-on and simulated modules that enable students to develop specialized skills to advance their careers.

Students will complete six courses to earn a Certificate in Information Technology with the following specializations:

- Cybersecurity
- Network Security
- Linux Security
- Ethical Hacking
- Google IT Support Professional Certificate

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Program Learning Outcomes

Through your coursework, students will learn how to:

- Identify and respond to emerging technology, models, methodologies, systems, and trends in human/computer interaction, including social networking, gaming, modeling, and simulation
- Analyze, design, develop, and document secure technical solutions for computing systems and databases
- Adhere to local, national, and international technical standards, ethics, and intellectual property regulations when developing computer applications and systems
- Analyze, compare, and contrast algorithms, programming languages, compilers, and operating systems to select or develop solutions to problems

Bachelor of Science

Business and Technology Management



The Business and Technology Management

Bachelor's program focuses on creating and managing modern businesses leveraging on advanced technologies.

The program explores the fundamentals of business strategies, technology-driven business models, and how to use emerging technologies for business advantage. Students will learn the nitty-gritty of entrepreneurial technology and innovation and how to bring business ideas to the market.

The program delves extensively into information technology and how it can be used to create a competitive advantage. Students can choose from the following concentrations: **Cybersecurity, Business Analytics, and Technology Entrepreneurship.**

General Courses

1. English Composition I
2. English Composition II
3. Introduction to Communication
4. Foundation of Oral Communication
5. Technical Communication
6. Business Communication
7. College Mathematics
8. Statistical and Business Analysis
9. Economics in the Digital Age
10. Principle of Macroeconomics
11. Critical Thinking and Logic
12. Natural Science
13. Survey of United States History
14. Introduction to Psychology
15. Social Impact of Business
16. Social Impact of Technology
17. Introduction to Financial Management
18. Managerial Accounting
19. Information Technology Fundamentals
20. Concepts and Applications of Information Technology
21. Introduction to Business Management
22. Management and Organization Theory
23. Organizational Leadership and Development
24. Human Resource Management
25. Principles of Marketing
26. Business Law
27. Ethics in Technology Management
28. Management Information Systems
29. Strategic Information Systems
30. Strategic Management
31. Introduction to Blockchain Technology
32. Human Computer Interactions
33. Cloud Technology
34. IT Project Management
35. Research in Information Technology
36. Capstone Project

Bachelor of Science

Business and Technology Management



Concentrations

Cybersecurity

1. Introduction to Cybersecurity
2. Computer Communications and Networks
3. Network Security and Cryptography
4. Information Security Regulatory and Legal Environment

Business Analytics

1. Database Management
2. Data Analytics and Business Intelligence
3. Artificial Intelligence
4. Introduction to Algorithm

Technology Entrepreneurship

1. Technology Innovation and Entrepreneurship
2. Digital Business Strategy
3. Building Business Model
4. Mobile Applications Development

Human Resource Management

1. Employment Law
2. Training and Development
3. Labor Relations and Collective Bargaining
4. Compensation Management



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Bachelor of Science

Digital Media and Web Technology



The **Digital Media and Web Technology Bachelor's** program focuses on using digital media and web technology tools and techniques to effectively communicate ideas in a variety of channels, including news, advertising, public relations, and web-based learning.

The objective is to explore and apply fundamental theories of human communication, visual design, multimedia, interactivity, and new media and technology for strategic planning.

Students will learn how to leverage new and emerging technology to advance business or create a scalable high-tech business model. Students can choose from the following concentrations: **Digital Media, Web Technology, and e-Learning Technology.**

General Courses

1. English Composition I
2. English Composition II
3. Introduction to Communication
4. Foundation of Oral Communication
5. Technical Communication
6. College Mathematics
7. Statistical and Business Analysis
8. Economics in the Digital Age
9. Critical Thinking and Logic
10. Natural Science
11. Survey of United States History
12. Principles of Marketing
13. Social Impact of Technology
14. Digital Media and Society
15. Information Technology Fundamentals
16. Concepts and Applications of Information Technology
17. Introduction to Business Management
18. Ethics in Technology Management
19. Cloud Technology
20. Introduction to Visual Communication
21. Graphics Design Fundamentals
22. Introduction to Multimedia Design
23. Web-Based Communication
24. Fundamental of Image Editing
25. Digital Media Tools and Techniques
26. Visual Storytelling
27. Fundamentals of Design Thinking
28. Introduction to Human Computer Interactions
29. User Interface Design
30. User Experience Research
31. Fundamentals of Programming
32. IT Project Management
33. Visual Communication Portfolio
34. Research in Information Technology
35. Capstone Project

Bachelor of Science

Digital Media and Web Technology



Concentrations

Digital Media

1. Fundamentals of Digital Media
2. Electronic Publishing
3. Advanced Multimedia Design
4. Introduction to Motion Graphics
5. Strategic Visual Communication

e-Learning Technology

1. Introduction to Instructional Technology
2. E-Learning Technology Fundamentals
3. Web-based Course Development
4. E-Learning Technology Tools and Techniques
5. E-Learning Development and Application

Web Technology

1. Principles of Web Design and Technology
2. Advanced Web Development
3. Mobile Applications Development
4. Introduction to Game Development
5. Advanced Programming

UX/UI Design

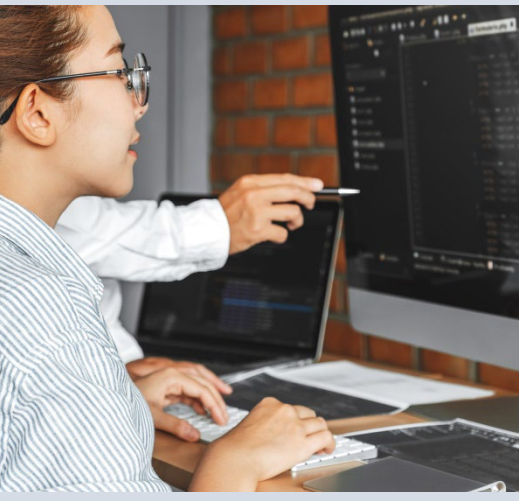
1. Introduction to Human-Centered Design
2. Mobile User Experience UX Design
3. UX Management Strategy and Tactics
4. Fundamental of Persuasive Technology
5. Introduction to Augmented and Virtual Reality



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Master of Science Information Systems and Technology



This program focuses on the in-depth understanding of the information systems and technologies required to design, implement, manage, evaluate, and improve technology-driven business models and operations.

The program covers information security and assurance, data analytics, IT project management, digital media, and web technology.

Students can choose from the following concentrations: **Cybersecurity, Informatics and Data Analytics, Interactive Media and Web Technology, and Instructional Systems and Technology**

General Courses

1. Fundamentals of Information Systems
2. Information Systems Infrastructure and Emerging Technologies
3. Information Systems Architecture
4. Information Security Regulatory and Legal Environment
5. Information Technology Project Management
6. Research Methods in Information Systems and Technology
7. Information Systems and Technology Capstone

Cybersecurity

1. Fundamentals of Cybersecurity
2. Network Security Fundamentals and Cryptography
3. Digital Forensics and Network Intrusion

Informatics and Data Analytics

1. Data Analytics and Business Intelligence
2. Artificial Intelligence and Machine Learning
3. Data Management Tools and Techniques

Media Technology

1. Fundamentals Interactive Media Technology
2. Principles of Web Design and Media Technology
3. Advanced Interactive Design

Instructional and E-learning Technology

1. Fundamentals of Instructional and E-Learning Technology
2. eLearning Development and Application
3. Web-based Course Development

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Master of Business Administration



This program is an advanced study in business and management designed to equip students with the knowledge to excel in executive-level roles across various industries.

The MBA program focuses on advanced business strategies, leadership and change management, human capital management, and tools, activities, and resources that can facilitate the creation of business knowledge and intelligence for strategic decision-making.

Students can choose from the following concentrations: **Technology Entrepreneurship, Information Technology Management, Human Capital Development, and Leadership and Organizational Management**

General Courses

1. Strategic Management and Business Policy
2. Strategic Marketing Management
3. Human Resource Management
4. Leading Processes, Technology and People
5. Business Law and Ethics
6. Managerial Accounting
7. Financial Analysis and Decision-Making
8. Project Management
9. Capstone Project

Technology Entrepreneurship

1. Fundamentals of Entrepreneurship and Innovation
2. Strategy-Driven Technology Innovation
3. Building Business Models

Information Technology Management

1. Fundamentals of Information Systems
2. Information Systems Infrastructure and Emerging Technologies
3. Data Analytics and Business Intelligence

Human Capital Development

1. Foundations of Human Capital Development
2. Human Performance Technology
3. Organizational Learning and Performance

Leadership and Organizational Management

1. Management Communication
2. Data-Driven Decision Making
3. Change Leadership

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Doctor of Business Administration



This doctoral program is designed to bridge the gap between research and real-world practice. The courses are designed to prepare students for leadership roles in business management, IT management, and human capital development.

The program focuses on developing scholar-practitioners that will provide solutions to emerging challenges in business through applied research. Students will conduct original research to create new knowledge, strategies, and best practices that will solve organizational problems and address challenges associated with current volatile, uncertain, complex, and ambiguous business landscape.

Students can choose from the following concentrations: ***Technology Management, Human Capital Development, and Strategic Communication.***

General Courses

1. Business Policy and Strategy
2. Strategic Marketing Management
3. Strategic Information Systems
4. Managerial Economics
5. Business Law and Ethics
6. Business Project Management
7. Seminar in Leadership Change Management
8. Seminar in Managing People, Process, and Technology
9. Seminar in Entrepreneurship and Technological Innovation
10. Quantitative Research Methodologies
11. Qualitative Research Methodologies
12. Survey, Design, and Administration
13. Introduction to Statistical Analysis
14. Advanced Analysis and Presentation Methods
15. Dissertation

Technology Management

1. Data Analytics and Business Intelligence
2. Artificial Intelligence and Machine Learning
3. Information Security Regulatory and Legal Environment
4. Seminar in Emerging Technology and Business Opportunities

Human Capital Development

1. Human Capital Development and Productivity
2. Training and Performance Technology
3. Organizational Knowledge Management
4. Seminar in Performance Improvement

Strategic Communication

1. Management Communication
2. Foundations of Technical Communication
3. Information Design Strategy
4. Seminar in Integrated Marketing Communication

Contact Information



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