

PROGRAMS

- Aerospace Engineering. Minor, BS, MS, PhD
- African Studies. Minor
- Air Force Leadership Studies. Minor
- Algorithms, Combinatorics, and Optimization. PhD
- Analytics. MS
- Applications of Artificial Intelligence and Machine Learning. Minor
- Applied Languages and Intercultural Studies. BS, MS
- Applied Physics. BS
- Applied Physiology. PhD
- Applied Systems Engineering. PMASE
- Architecture. Minor, BS, M.Arch, MS, PhD
- Astrobiology. Minor
- Astrophysics. Minor, BS
- Atmospheric and Oceanic Sciences. BS
- Biochemistry. BS
- Bioengineering. MS, PhD
- Bioinformatics. MS, PhD
- Biology. Minor, BS, MS, PhD
- Biomedical Engineering. Minor, BS, MS, PhD
- Biomedical Innovation and Development. MBID
- Black Media Studies. Minor
- Building Construction. PhD
- Building Construction and Facility Management. MS
- Business Administration. BS, MBA.
- Business Administration - Global Business. MBA.
- Business Administration - Management of Technology. MBA.
- Business of Sports and Entertainment. Minor
- Chemical and Biomolecular Engineering. BS
- Chemical Engineering. MS, PhD
- Chemistry. BS, MS, PhD
- Chemistry and Biochemistry. Minor
- Chinese. Minor
- City and Regional Planning. MCRP, PhD
- Civil Engineering. BS, MS, PhD
- Collaborative Social Innovation. Minor
- Computation and Cognition. Minor
- Computational Data Analysis. Minor
- Computational Media. BS
- Computational Science and Engineering. MS, PhD
- Computer Engineering. BS
- Computer Science. BS, MS, PhD
- Computing and Business. Minor
- Computing and Devices. Minor
- Computing and Information Internetworks. Minor
- Computing and Intelligence. Minor
- Computing and Media. Minor
- Computing and People. Minor
- Computing and Systems and Architecture. Minor
- Computing and Theory. Minor
- Construction Science and Management. BS

- Creative Writing. Minor
- Cybersecurity. MS
- Digital Media. MS, PhD
- Earth and Atmospheric Sciences. Minor, BS, MS, PhD
- East Asian Studies. Minor
- Economics. Minor, BS, MS, PhD
- Economics and International Affairs. BS
- Economics and Policy of Environmental Sustainability. Minor
- Electrical and Computer Engineering. MS, PhD
- Electrical Engineering. BS
- Energy Systems. Minor
- Engineering and Business. Minor
- Engineering Science and Mechanics. MS, PhD
- Environmental Engineering. BS, MS, PhD
- Environmental Science. BS
- European Studies. Minor
- Film and Media Studies. Minor
- FinTech. Minor
- French. Minor
- Geographic Information Science and Technology. MS
- German. Minor
- Global Development. Minor, MS
- Global Economics and Modern Languages. BS
- Global Media and Cultures. MS
- Health and Medical Sciences. Minor
- Health, Medicine, and Society. Minor
- Health Policy and Economics. Minor
- Health Systems. MS
- History. Minor
- History and Sociology of Technology and Science. MS, PhD
- History, Technology, and Society. BS
- Human-Centered Computing. PhD
- Human-Computer Interaction. MS
- Industrial Design. Minor, BS, M.ID
- Industrial Engineering. BS, MS, PhD
- International Affairs. Minor, BS, MS
- International Affairs and Modern Language. BS
- International Affairs, Science, and Technology. MS, PhD
- International Business, Language, and Culture. Minor
- International Security. MS
- Japanese. Minor
- Korean. Minor
- Latin American/LatinX Studies. Minor
- Law, Science, and Technology. Minor
- Leadership Studies. Minor
- Linguistics. Minor
- Literature, Media, and Communication. BS
- Machine Learning. PhD
- Management. MS, PhD
- Manufacturing Leadership. PMML
- Materials Science and Engineering. Minor, BS, MS, PhD
- Mathematics. Minor, BS, MS, PhD

- Mechanical Engineering. BS, MS, MS (undesigned), PhD
- Medical Physics. MS
- Microeconomics of Strategic Analysis. Minor
- Middle Eastern and North African Studies. Minor
- Music Technology. BS, MS, PhD
- Naval Science. Minor
- Nuclear Engineering. MS, PhD
- Nuclear and Radiological Engineering. Minor, BS
- Neuroscience. Minor, BS
- Neuroscience and Neurotechnology. PhD
- Ocean Science and Engineering. PhD
- Operations Research. MS, PhD
- Occupational Safety and Health. PMOSH
- Philosophy. Minor
- Physics. Minor, BS, MS, PhD
- Physiology. Minor
- Political Science. Minor
- Psychology. Minor, BS, MS, PhD
- Public Policy. Minor, BS, MS, PhD
- Quantitative Biosciences. PhD
- Quantitative and Computational Finance. MS
- Quantum Sciences and Technology. Minor
- Real Estate Development. MRED
- Robotics. Minor, MS, PhD
- Russian. Minor
- Science Communication and Policy. Minor
- Science Fiction Studies. Minor
- Science of Mental Health and Well-Being. Minor
- Science, Technology, and Society. Minor
- Scientific and Engineering Computing. Minor
- Social Justice. Minor
- Sociology. Minor
- Solid Earth and Planetary Sciences. BS
- Spanish. Minor
- Sports, Society, and Technology. Minor
- Statistics. MS
- Supply Chain Engineering. MS
- Sustainable Cities. Minor
- Sustainable Development and Construction. Minor
- Sustainable Electrical Energy. PMSEE
- Sustainable Energy and Environmental Management. MSEEM
- Technology and Business. Minor
- Urban Analytics. MS
- Urban Design. MS
- Urban Planning and Spatial Analytics. BS
- Women, Science, and Technology. Minor
- Aerospace Engineering. BS
- Applied Languages & Intercultural Studies. BS
- Applied Physics. BS
- Architecture. BS
- Astrophysics. BS
- Atmospheric and Oceanic Sciences. BS
- Biochemistry. BS
- Biology. BS
- Biomedical Engineering. BS
- Business Administration. BS
- Chemistry. BS
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- Civil Engineering. BS
- Computational Media. BS
- Computer Engineering. BS
- Computer Science. BS
- Construction Science and Management. BS
- Earth and Atmospheric Sciences. BS
- Economics. BS
- Economics and International Affairs. BS
- Electrical Engineering. BS
- Environmental Engineering. BS
- Environmental Science. BS
- Global Economics and Modern Languages. BS
- History, Technology, and Society. BS
- Industrial Design. BS
- Industrial Engineering. BS
- International Affairs. BS
- International Affairs and Modern Language. BS
- Literature, Media, and Communication. BS
- Mathematics. BS
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- Mechanical Engineering. BS
- Music Technology. BS
- Neuroscience. BS
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- Materials Science and Engineering. Minor
- Mathematics. Minor
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- Middle Eastern and North African Studies. Minor
- Naval Science. Minor
- Neuroscience. Minor
- Nuclear and Radiological Engineering. Minor
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- Public Policy. Minor
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- Social Justice. Minor

- Sociology. Minor
- Spanish. Minor
- Sports, Society, and Technology. Minor
- Sustainable Cities. Minor
- Sustainable Development and Construction. Minor
- Technology and Business. Minor
- Women, Science, and Technology. Minor

Real Estate Development and Finance. Minor

Georgia Institute of Technology offers three types of Certificates: **Undergraduate Embedded**

Undergraduate embedded certificates are intended to encourage students to use the elective course requirements in their degree program to form a coherent package of coursework in a specified area.

Undergraduate embedded certificates will be granted only to students who, in addition to the undergraduate embedded certificate program requirements, have satisfied requirements for an undergraduate degree. The offering unit is responsible for verifying satisfaction of all undergraduate embedded certificate requirements, as well as completion of an undergraduate degree. Undergraduate embedded certificates are not recorded on the student's transcript or diploma. Arrangements must be made for awarding undergraduate embedded certificates within colleges or offering units. Undergraduate embedded certificates will not be awarded at the Institute level.

Undergraduate Certificate Guidelines

Graduate Embedded

Graduate embedded certificates are intended to encourage students to use the elective course requirements in their degree program to form a coherent package of coursework in a specified area.

Graduate embedded certificates will be granted only to students who, in addition to the graduate embedded certificate program requirements, have satisfied requirements for a graduate degree. The offering unit is responsible for verifying satisfaction of all graduate embedded certificate requirements, as well as completion of a graduate degree. Graduate embedded certificates are not recorded on the student's transcript or diploma. Arrangements must be made for awarding graduate embedded certificates within colleges or offering units. Graduate embedded certificates will not be awarded at the Institute level.

Graduate Embedded Certificate Guidelines

Graduate Stand-Alone

Stand-alone certificates may be completed independent of students being enrolled as Master's or Doctoral student. These certificates represent a cohesive program of study of a smaller size than a Master's program and provide more flexibility to professionals for pursuing graduate education, including a means for professionals to renew and retrain due to a fast-changing work force. When completed, these certificates appear on the student's academic record (transcript), and the student receives a certificate of completion.

Graduate Stand-Alone Certificate Guidelines

Undergraduate Embedded Certificates

- Accounting. Undergraduate Certificate
- African American Studies. Undergraduate Certificate

- Architecture and Society. Undergraduate Certificate
- Asian Affairs. Undergraduate Certificate
- Astrophysics. Undergraduate Certificate
- Business Analytics. Undergraduate Certificate
- Business Law and Ethics. Undergraduate Certificate
- Cellular and Molecular Biosciences. Undergraduate Certificate
- Chinese. Undergraduate Certificate
- Computational Design. Undergraduate Certificate
- Construction Management. Undergraduate Certificate
- Ecology, Evolution, and Conservation Biology. Undergraduate Certificate
- Economics. Undergraduate Certificate
- Entrepreneurship. Undergraduate Certificate
- European Affairs. Undergraduate Certificate
- Finance. Undergraduate Certificate
- French. Undergraduate Certificate
- Genetics, Genomics, and Bioinformatics. Undergraduate Certificate
- German. Undergraduate Certificate
- Global Engagement. Undergraduate Certificate
- Global Engineering Leadership. Undergraduate Certificate
- History. Undergraduate Certificate
- Information Technology Management. Undergraduate Certificate
- Intellectual Property. Undergraduate Certificate
- International Business. Undergraduate Certificate
- Japanese. Undergraduate Certificate
- Latin American Affairs. Undergraduate Certificate
- Leadership and Organizational Change. Undergraduate Certificate
- Linguistics. Undergraduate Certificate
- Marketing. Undergraduate Certificate
- Microbial Systems. Undergraduate Certificate
- Nuclear and Radiological Engineering. Undergraduate Certificate
- Operations and Supply Chain Management. Undergraduate Certificate
- Philosophy. Undergraduate Certificate
- Physics of Living Systems. Undergraduate Certificate
- Physiology and Biomedical Sciences. Undergraduate Certificate
- Pre-Law. Undergraduate Certificate
- Political Science. Undergraduate Certificate
- Public Policy. Undergraduate Certificate
- Pulp & Paper. Undergraduate Certificate
- Real Estate Development. Undergraduate Certificate
- Russian. Undergraduate Certificate
- Scenarios, Models and Military Games. Undergraduate Certificate
- Sociology. Undergraduate Certificate
- Software Engineering. Undergraduate Certificate
- Spanish. Undergraduate Certificate
- Special Studies in Biological Sciences. Undergraduate Certificate
- Strategy & Innovation. Undergraduate Certificate
- Sustainable Architecture. Undergraduate Certificate
- Sustainable Business. Undergraduate Certificate

- Computational Materials Science and Engineering. Graduate Certificate
- Geographic Information Systems. Graduate Certificate
- Industrial Design Fundamentals. Graduate Certificate
- Mechanical Properties of Materials. Graduate Certificate
- Micro Electro Mechanical Systems. Graduate Certificate
- Public Policy. Graduate Certificate
- Remote Sensing. Graduate Certificate
- Science, Technology, and Society. Graduate Certificate
- Space Entrepreneurship. Graduate Certificate

Graduate Stand-Alone Certificates

- Business Analytics. Graduate Certificate
- Data Science for the Chemical Industry. Graduate Certificate
- Emerging Technologies and Proliferation. Graduate Certificate
- Global Development. Graduate Certificate
- International Security and Aerospace Systems. Graduate Certificate
- Medical Physics. Graduate Certificate
- Sustainable Energy and Environmental Management. Graduate Certificate
- Systems Engineering and Architecting. Graduate Certificate

Once graduate stand-alone certificate programs are approved by the Institute, they will be listed here.

- Analytics. MS
- Computer Science. MS
- Cybersecurity. MS
- Management. MS

Graduate Embedded Certificates

- Astrobiology. Graduate Certificate
- BioRobotics. Graduate Certificate