PROGRAMS

- Aerospace Engineering. Minor, BS, MS, PhD
- African Studies. Minor
- Algorithms, Combinatorics, and Optimization. PhD
- Analytics. MS
- Applied Languages and Intercultural Studies. BS, MS
- Applied Physics. BS
- Applied Physiology. PhD
- Applied Systems Engineering. PMASE
- Architecture. Minor, BS, M.Arch, MS, PhD
- Biochemistry. BS
- Bioengineering. MS, PhD
- Bioinformatics. MS, PhD
- Biology. Minor, BS, MS, PhD
- Biomedical Engineering. Minor, BS, MS, PhD
- Biomedical Innovation and Development. MBID
- Building Construction. BS, PhD
- Building Construction and Facility Management. MS
- Business Administration. BS, MBA
- Business Administration - Global Business. MBA.
- Business Administration - Management of Technology. MBA.
- 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
- 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
- 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
- Electrical Engineering. BS
- Electrical and Computer Engineering. MS, PhD
- Energy Systems. Minor
- Engineering and Business. Minor
- Engineering Science and Mechanics. MS, PhD
- Environmental Engineering. BS, MS, PhD
- European Studies. Minor
- Film and Media Studies. Minor
- French. Minor
- Geographic Information Science and Technology. MS
- German. Minor
- Global Development. Minor
- Global Economics and Modern Languages. BS
- Global Media and Cultures. MS
- Health and Medical Sciences. Minor
- Health, Medicine, and Society. Minor
- Health Systems. MS
- History. Minor
- History, Technology, and Society. BS
- History and Sociology of Technology and Science. MS, PhD
- Human-Computer Interaction. MS
- Human-Centered Computing. PhD
- 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. PhD
- International Business, Language, and Culture. Minor
- International Logistics. MS
- 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
- Materials Science and Engineering. Minor, BS, MS, PhD
- Mathematics. Minor, BS, MS, PhD
- Mechanical Engineering. BS, MS, MS (undesignated), PhD
- Medical Physics. MS
- Manufacturing Leadership. PMML
- Microeconomics of Strategic Analysis. Minor
- Middle Eastern and North African Studies. Minor
- Music. Minor
- Music Technology. Minor, BS, MS, PhD
- Naval Science. Minor
- Nuclear Engineering. MS, PhD
- Nuclear and Radiological Engineering. Minor, BS
- Neuroscience. BS
- 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
• Public Policy Joint Degree with Georgia State University. PhD
• Quantitative Biosciences. PhD
• Quantitative and Computational Finance. MS
• Real Estate Development. MRED
• Robotics. Minor, MS, PhD
• Russian. Minor
• Science, Technology, and Society. Minor
• Science Fiction Studies. Minor
• Scientific and Engineering Computing. Minor
• Social Justice. Minor
• Sociology. Minor
• Spanish. Minor
• Sports, Society, and Technology. Minor
• Statistics. MS
• Supply Chain Engineering. MS
• Sustainable Cities. Minor
• Sustainable Electrical Energy. PMSEE
• Sustainable Energy and Environmental Management. MSEEM
• Technology and Business. Minor
• Urban Analytics. MS
• Urban Design. MS
• Women, Science, and Technology. Minor

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• Biology. Minor
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• 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
• Earth and Atmospheric Sciences. Minor
• East Asian Studies. Minor
• Economics. Minor
• Energy Systems. Minor
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• Music Technology. Minor
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• Physiology. Minor
• Political Science. Minor
• Psychology. Minor
• Public Policy. Minor
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• Women, Science, and Technology. Minor

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• Civil Engineering. BS
• Computational Media. BS
• Computer Engineering. BS
• Computer Science. BS
• Earth and Atmospheric Sciences. BS
• Economics. BS
• Economics and International Affairs. BS
• Electrical Engineering. BS
• Environmental Engineering. 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
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• Mathematics. BS
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• Mechanical Engineering. BS
• Music Technology. BS
• Neuroscience. BS
• Nuclear and Radiological Engineering. BS
• Physics. BS
• Psychology. BS
• Public Policy. BS
• Aerospace Engineering. MS
• Analytics. MS
• Applied Languages and Intercultural Studies. MS
• Applied Systems Engineering. PMASE
• Architecture. M.Arch, MS
• Bioengineering. MS
• Bioinformatics. MS
• Biomedical Engineering. MS
• Biology. MS
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• Building Construction and Facility Management. MS
• Business Administration. MBA.
• Business Administration - Global Business. MBA.
• Business Administration - Management of Technology. MBA.
• Chemical Engineering. MS
• Chemistry. MS
• City and Regional Planning. MCRP
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• Computational Science and Engineering, MS
• Computer Science. MS
• Cybersecurity. MS
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• Engineering Science and Mechanics. MS
• Environmental Engineering. MS
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• Industrial Engineering. MS
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• International Logistics. MS
• International Security. MS
• Management. MS
• Materials Science and Engineering. MS
• Mathematics. MS
• Mechanical Engineering. MS, MS (undesignated)
• Medical Physics. MS
• Manufacturing Leadership. PMML
• Music Technology. MS
• Nuclear Engineering. MS
• Operations Research. MS
• Occupational Safety and Health. PMOSH
• Physics. MS
• Psychology. MS
• Public Policy. MS
• Quantitative and Computational Finance. MS
• Real Estate Development. MRED
• Robotics. MS
• Statistics. MS
• Supply Chain Engineering. MS
• Sustainable Electrical Energy. PMSEE
• Sustainable Energy and Environmental Management. MSEEM
• Urban Analytics. MS
• Urban Design. MS
• Aerospace Engineering. PhD
• Algorithms, Combinatorics, and Optimization. PhD
• Applied Physiology. PhD
• Architecture. PhD
• Bioengineering. PhD
• Bioinformatics. PhD
• Biology. PhD
• Biomedical Engineering. PhD
• Building Construction. PhD
• Chemical Engineering. PhD
• Chemistry. PhD
• City and Regional Planning. PhD
• Civil Engineering. PhD
• Computational Science and Engineering, PhD
• Computer Science. PhD
• Digital Media. PhD
• Earth and Atmospheric Sciences. PhD
• Economics. PhD
• Electrical and Computer Engineering. PhD
• Engineering Science and Mechanics. PhD
• Environmental Engineering. PhD
• History and Sociology of Technology and Science. PhD
• Human-Centered Computing. PhD
• Industrial Engineering. PhD
• International Affairs, Science, and Technology. PhD
• Machine Learning. PhD
• Management. PhD.
• Materials Science and Engineering. PhD
• Mathematics. PhD
• Mechanical Engineering. PhD
• Music Technology. PhD
• Nuclear Engineering. PhD
• Ocean Science and Engineering. PhD
• Operations Research. PhD
• Physics. PhD
• Psychology. PhD
• Public Policy. PhD
• Public Policy Joint Degree with Georgia State University. PhD
• Quantitative Biosciences. PhD
• Robotics. PhD

Graduate Stand-Alone Certificate Guidelines

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 an 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 Stand-Alone Certificate Guidelines

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.

Undergraduate Embedded Certificates

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

Georgia Institute of Technology offers three types of Certificates:

Undergraduate Embedded

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 an 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
• Spanish. Undergraduate Certificate
• Strategy & Innovation. Undergraduate Certificate
• Sustainable Architecture. Undergraduate Certificate
• Sustainable Business. Undergraduate Certificate

Graduate Embedded Certificates
• Astrobiology. Graduate Certificate
• BioRobotics. Graduate 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
• Science, Technology, and Society. Graduate Certificate

Graduate Stand-Alone Certificates
• Data Science for the Chemical Industry. Graduate Certificate
• Global Development. Graduate Certificate
• International Security and Aerospace Systems. Graduate Certificate
• Sustainable Energy and Environmental Management. Graduate Certificate

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