

Academic programs



Find your degree. With a wide range of subject areas and admissions options, you can find the perfect degree for your chosen career. You can choose to apply for direct entry to the university or for a Pathway program that provides extra academic, language and cultural support. From the day you apply to the day you graduate, we are here to help you succeed every step of the way. Turn to the back cover to learn how to apply.

- B = Bachelor's** **M = Master's** **D = Doctorate**
- GP** Graduate Pathway program that can lead to this degree is indicated in orange. This degree is also available through direct admission.
 - GP** Indicates a pending Graduate Pathway program, which will be available soon.
 - Indicates a George Mason University degree program
 - ★ Indicates a three-year international undergraduate degree can lead to this master's degree through the Graduate Bridge Program.
 - ▶ Designated STEM degree by the US Department of Homeland Security.
 - ◆ Graduate Certificate Pathway program is available

	B	M	D
Antonin Scalia Law School			
Law [LLM: Cyber, Intelligence and National Security; Global Antitrust Law and Economics; Intellectual Property; US Law] [JM concentrations: Criminal Justice; Government Contracts and Regulation; National Security, Cybersecurity and Information Privacy]		●	●
Law and Business		●	●
Law and Public Policy		●	●
College of Education and Human Development			
School of Education			
Counseling [MEd concentrations: Clinical Mental Health Counseling; School Counseling]		●	
Curriculum and Instruction [MEd concentrations: Advanced Studies in Teaching and Learning; Assistive Technology; Teaching Culturally and Linguistically Diverse and Exceptional Learners; Elementary Education; Learning Technologies; Mathematics Specialist Leader; Secondary Education (6-12)]		●	
Early Childhood Education for Diverse Learners [BSED concentrations: Early Childhood Special Education Licensure; Early/Primary Education PreK-3 Licensure; Early Childhood Special Education and Early/Primary Education PreK-3 Dual Licensure]	●	●	●
Education [PhD concentration: Kinesiology; Education Leadership]			●
Educational Psychology* [MS concentrations: Educational Assessment, Evaluation and Data Literacy ; Learning Sciences in Diverse Content; Learning, Cognition and Motivation ; Individualized]	●	GP	●
Elementary Education	●		
Higher Education and Student Development		●	
Inclusive Early Childhood Education* [MEd concentrations (check mark): Early Childhood Special Education Licensure; Early/Primary Education PK3 Licensure]		GP	●
Leadership and Human Development [MEd concentrations: Independent School Leadership; International School Leadership Research]		●	
▶ Learning Design and Technology		●	●
Literacy Education [MEd concentrations: Literacy Leadership for Diverse Schools; K-12 Literacy Instruction]		●	●
Psychology [MA concentration: School Psychology]	●	●	●
Physical Education	●		
Secondary Education [BSED concentrations: Computer Science; English; History and Social Science]	●		
Special Education [BS concentrations: General K-12 Licensure; Adapted K-12 Licensure; Blindness and Visual Impairments PK-12 Licensure] [MEd concentrations: K-12 Adapted Curriculum Licensure; K-12 General Curriculum Licensure; PK-12 Blindness and Visual Impairments Licensure]	●	●	●
School of Kinesiology			
Athletic Training		●	
Kinesiology [BS concentrations: Allied Health Sciences; Strength and Conditioning]		HD	●
School of Sport, Recreation and Tourism Management			
Recreation Management [BS concentrations: Parks and Outdoor Recreation; Therapeutic Recreation; Individualized]	HD		
Sport and Recreation Studies* [MS concentrations: Individualized Study in Sport, Recreation and Tourism; Recreation Administration; Sport and Leisure Studies; Sport Management]	HD	GP	
Sport Management	HD		
Tourism and Events Management	HD		
College of Public Health			
Community Health [BS concentrations: Global Health; Clinical Science; Nutrition; Physical Activity and Public Health]	HD		
Global Health		●	
Health Administration [BS concentrations: Assisted Living/Senior Housing Administration, Health Systems Management]	HD		
▶ Health Informatics [MS concentrations: Health Data Analytics; Health Informatics Management; Population Health Informatics; Quality Informatics]	●	GP	
Health Services Research [PhD concentrations: Health Systems and Policy; Knowledge Discovery and Health Informatics]			●
Health Systems Management [MHA concentrations: Healthcare Quality; Executive]		GP	
Nursing [MSN concentrations: Family Nurse Practitioner in Primary Care] [DNP concentrations: Psychiatric Mental Health Nurse Practitioner; Adult Gerontology Nurse Practitioner; Family Nurse Practitioner; Nursing Administration]	●	●	●
Nutrition [MS concentrations: Community Nutrition; Dietetics; Nutrition and Performance]		GP	●
Public Health ◆ [MPH concentrations: Community Health Promotion; Epidemiology; Food Security and Nutrition; Global Health; Health Equity and Social Justice; Health Policy; Public Health Communication ; Public Health Practice (100% online only)] [PhD concentration: Epidemiology; Social and Behavioral Sciences]		GP	●
Social Work [MSW specializations: Children, Youth and Families; Adults and Healthy Aging]	HD	GP	

International Year One

Indicates the Undergraduate Pathway program that should be taken to progress to an undergraduate academic program. This program is also available through International Direct and direct admission.

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|---|--|
| BU Business | HD Human and Social Development |
| EC Engineering, Computing and Statistics | HS Humanities and Social Sciences |
| GE General Exploratory | SC Science |
- ✓ Indicates a program that has the option of choosing no concentration.

	B	M	D
College of Humanities and Social Sciences			
Anthropology	HS	●	
Applied Industrial and Organizational Psychology		●	
Art History	HS	●	
Communication [BA concentrations: Interpersonal and Organizational Communication; Journalism; Media Production and Criticism; Political Communication; Public Relations] [MA specializations: Science Communication; Strategic Communication/Public Relations; Health Communication; Individualized]	HS	GP	●
Creative Writing [BFA concentrations: Fiction; Nonfiction; Poetry] [MFA concentrations: Fiction; Nonfiction Writing; Poetry]	●	●	
Criminal Justice	●		
▶ Criminology, Law and Society [BA/BS concentrations: Criminal Justice; Law and Society; Homeland Security and Justice]	HS	●	●
Cultural Studies			●
Economics* [BA concentrations: Philosophy, Politics and Economics] [BS concentrations: Managerial Economics; Philosophy, Politics and Economics]	HS	GP	●
English [BA concentrations: Creative Writing; Cultural Studies; Screen Cultures; Folklore and Mythology; Literature; Linguistics; Writing and Rhetoric] [MA concentrations: Cultural Studies; Folklore Studies; Linguistics ; Literature; Professional and Technical Writing; Teaching of Writing and Literature]	●	●	
Foreign Languages [BA concentrations: Arabic, Chinese, French, Korean, Spanish] [MA concentrations: Chinese; French; Spanish; Spanish and French; Spanish/Bilingual-Multicultural Education]	HS		
Global Affairs* [BA concentrations: The Environment; Global Economy and Management; Global Governance; Global Inequalities and Responses; Human Security; International Development; Media, Communication and Culture; By World Region (Africa, Asia, Europe, Latin America, Middle East and North Africa, North America, Russia and Central Asia); Individualized] [MA specializations: Global Conflict and Security; Global Culture and Society; Global Economics and Development; Global Education; Global Governance and Public Management; Global Health; Global Media and Information Technology; Global Population and Geography]	HS	GP	
History [BA concentrations: Digital History; Public History; Global History; Individualized; US History] [MA concentrations: Predoctoral History; Applied History; Applied History with New Media and Information Technology Emphasis; Enrichment; Higher Education; Teaching] [PhD fields: US History; European History; Comparative World History]	HS	●	●
Linguistics (See also English)			●
Middle East and Islamic Studies		●	
Philosophy [BA concentrations: Philosophy and Law; Philosophy, Politics and Economics] [MA concentrations: Traditional and Contemporary Philosophy; Ethics and Public Affairs]	HS		
Psychology [BA/BS concentrations: Forensic Psychology; Human Factors and Applied Cognition; Work and Organizational Psychology; Clinical Psychology; Developmental Psychology; Educational Psychology; Health Psychology; Cognitive and Behavioral Neuroscience] [MA concentrations: Applied Developmental Psychology; Clinical Psychology; Cognitive and Behavioral Neuroscience; Industrial/Organizational Psychology; Human Factors/Applied Cognition] [PhD concentrations: Applied Developmental Psychology; Cognitive and Behavioral Neuroscience; Clinical Psychology; Human Factors/Applied Cognition; Industrial/Organizational Psychology]	HS	●	●
Religious Studies	HS		
Russian and Eurasian Studies [BA concentrations: Eurasia Studies; Russia Studies; Russian Language and Culture]	HS		
Sociology [BA concentrations: Childhood and Youth; Deviance, Crime and Social Control; Global Sociology; Inequality and Social Change] [PhD concentrations: Institutions and Inequalities; Sociology of Globalization]	HS	●	●
Writing and Rhetoric (See also English)			●

	B	M	D
School of Integrative Studies			
▶ Environmental and Sustainability Studies [BA concentrations: Business and Sustainability; Climate Change and Society; Conservation and Sustainability; Environmental Policy; Equity and Environmental Justice; Sustainable Food and Agriculture]	HS	SC	
Higher Education and Student Development [MA tracks: Student Affairs Administration; Administration, Policy and Finance; Higher Education Leadership]			●
Human Development and Family Science		●	
Individualized Study [BIS concentrations: Individualized; Education Studies]		●	
Integrative Studies [BA concentrations: African and American Studies; Childhood Studies; International Studies; Leadership and Organizational Development; Legal Studies; Education Studies; Social Justice and Human Rights; Social Science for Education; Women and Gender Studies; Individualized] [BS concentrations: Integrative Conservation; Life Sciences; Individualized]	HS		
Interdisciplinary Studies [MAIS concentrations: Computational Social Science; Energy and Sustainability; Religious Studies; Social Entrepreneurship; Social Justice and Human Rights; War and Military in Society; Women and Gender Studies* ; Individualized]			●
College of Science			
▶ Applied and Engineering Physics [Concentrations: Standard Physics; Applied Physics; Engineering Physics; Quantum Information Science and Engineering]	SC	●	
▶ Astronomy	SC		

	B	M	D
▶ Atmospheric Sciences	SC		
▶ Bioinformatics and Computational Biology		GP	●
▶ Bioinformatics Management		●	
▶ Biology [BA concentration: Biological Illustration, Biological Health] [BS concentrations: Biotechnology and Molecular Biology; Environmental and Conservation Biology; Bioinformatics; Biopsychology; Microbiology] [MS concentrations: Evolutionary Biology; Microbiology and Infectious Disease; Molecular Biology; Neuroscience; Nutrition Genetics and Nutraceuticals; Translational and Clinical Research]	SC	●	
▶ Biosciences [PhD concentrations: Biocomplexity and Evolutionary Biology; Cell and Molecular Biology; Microbiology and Infectious Diseases]			●
▶ Chemistry [BA concentrations: Biochemistry] [BS concentrations: Analytical Chemistry; Environmental Chemistry; Biochemistry; Materials Chemistry] [MS concentration: Biochemistry]	SC	●	
▶ Chemistry and Biochemistry			●
▶ Climate Dynamics			●
▶ Climate Science [MS concentrations: Climate Modeling; Climate Data]			●
▶ Computational and Data Sciences	SC		
▶ Computational Science			●
▶ Computational Sciences and Informatics			●
Computational Social Science			●
▶ Earth Systems Science		GP	
▶ Earth Systems and Geoinformation Sciences			●
▶ Environmental Science [BS concentrations: Conservation; Ecological Science; Environmental Health; Human and Ecosystem Response to Climate Change; Marine, Estuarine and Freshwater Ecology; Wildlife Conservation and Management]	SC		
▶ Environmental Science and Policy [MS concentrations: Aquatic Ecology; Conservation Science and Policy; Environmental Science and Policy; Communication for Environmental Science, Policy and Human Behavior; Environment and Management; Energy and Sustainability Policy and Science; Conservation Medicine and Planetary Health]		GP	
▶ Environmental Science and Public Policy			●
▶ Forensic Science* [BS concentrations: Criminalistics; Forensic Biology; Forensic Chemistry; Interdisciplinary Forensic Science] [MS concentrations: Crime Scene Investigation; Forensic Biology Analysis; Forensic Chemistry Analysis; Forensic/Biometric Identity Analysis]	SC	GP	
Geography [BA concentrations: Environmental Geography; Health Geography; Geanthropology; Urban Planning] [BS concentrations: Geoinformatics; Geospatial Intelligence; Urban Science]	SC		
Geographic and Cartographic Sciences		GP	
▶ Geoinformatics and Geospatial Intelligence		●	
▶ Geology [BS concentrations: Earth Surface Processes; Environmental Geoscience; Geology; Oceanography and Marine Science; Paleontology]	SC		
▶ Mathematics [BS concentrations: Pure Mathematics; Data Science; Actuarial Mathematics; Applied Mathematics; Mathematical Statistics; Individualized]	SC	GP	●
▶ Medical Laboratory Science [BS concentrations: Generalist; Molecular Biology; Microbiology; Histotechnology]	SC		
▶ Neuroscience	SC		●
▶ Physics [BS concentrations: Applied and Engineering Physics; Astrophysics; Computational Physics] [PhD concentrations: Standard, Engineering Physics]	SC		●
College of Visual and Performing Arts			
Art and Visual Technology [BA concentration: Interdisciplinary Arts] [BFA concentrations: Graphic Design; Studio Arts]	●		
Art Education [MAT concentrations: Certification; Licensed Art Teachers]			●
▶ Computer Game Design*		●	
Dance		●	
Film and Video Studies [BA concentrations: Cinematography; Directing; Editing; Producing; Screenwriting; Sound]		●	
Music* [BA concentrations: Pedagogy; Music Technology] [BM concentrations: Composition; Jazz; Music Education; Music Technology; Performance] [MM concentrations: Collaborative Piano; Composition; Conducting; Jazz Studies ; Music Education; Pedagogy; Performance ; Multiple Instrument Performance]	HS	●	
Musical Arts [DMA concentrations: Conducting; Composition; Performance]			●
Theater [BA tracks: Design and Technical Theater; Performance; Directing and Dramaturgy; Performance Studies; Playwriting] [BFA concentrations: Design for Stage and Screen; Musical Theater Performance; Performance for Stage and Screen; Sound Engineering and Design; Theater Education for Theater Arts PK-12]		●	
Visual and Performing Arts [MFA concentrations: Dance; Graphic Design; Theater; Visual Art]			●
School of Business			
Accounting*		●	●
Business Administration, MBA*			GP
▶ Business Analytics* ◆			GP
Business [BS concentrations: Accounting; Business Analytics; Finance; Financial Planning and Wealth Management; Management; Management Information Systems; Marketing; Operations and Supply Chain Management] [PhD concentrations: Organizational Behavior; Strategic Management; Marketing; Information Systems; Operations Management]	BU		●
▶ Finance			GP
Management*			GP
Real Estate Development*			GP
Jimmy and Rosalynn Carter School for Peace and Conflict Resolution			
Conflict Analysis and Resolution* [BA/BS concentrations: Building Peace in Divided Societies; Global Engagement; Political and Social Action; Justice and Reconciliation; Interpersonal Dynamics; Collaborative Leadership; Environmental Conflict and Collaboration; Individualized] [MS concentrations: Conflict-Sensitive Development and Resilience; Dynamics of Violence; Inclusive Conflict Engagement; Individualized; Media, Narrative and Public Discourse; Social Justice Advocacy and Activism; Peacebuilding]	HD	GP	●
Schar School of Policy and Government			
▶ Biodefense [PhD concentrations: International Security; Terrorism and Homeland Security; Technology and Weapons of Mass Destruction]		●	●
Global Commerce and Policy* [MA concentrations: Global Development and Governance; Global Finance, Investment and Trade; Global Risk and Strategy]			GP

	B	M	D
Government and International Politics [BA concentrations in government: American Institutions and Processes; Comparative Politics; International Political Economy; International Relations; Law, Philosophy and Governance; Philosophy, Politics and Economics; Political Analysis; Political Behavior and Identity Politics; Public Policy and Administration; Individualized] [BA concentrations in non-government: Philosophy, Politics and Economics]		HS	
International Security and Law		●	
International Security [MA concentrations: Intelligence; Peace Operations; Transnational Challenges]			●
Organization Development and Knowledge Management			●
Political Science [MA concentrations: American Government and Politics; Comparative Politics; International Relations; International Security]			●
Public Administration [BS concentrations: Administration and Management; Public Policy; Nonprofit Management; US Government Institutions; Economic Policy Analysis; International Political Economy; Individualized] [MPA concentrations: Administration of Justice; Emergency Management and Homeland Security; Environmental Science and Public Policy; Human Resources Management; International Management; Managing Across Sectors; Nonprofit Management; Policy Studies; Public Management; Public and Nonprofit Finance; State and Local Government]	HS	GP	
Public Policy*			GP

College of Engineering and Computing			
School of Computing			
▶ Applied Computer Science [BS concentrations: Bioinformatics, Business Management, Business Marketing, Computer Game Design, Geoinformatics, Intelligence Analysis and Chinese Studies; Intelligence Analysis and Korean Studies; Intelligence Analysis and Middle Eastern Studies; Intelligence Analysis and Russian Studies; Linguistics; Mechanical Engineering; Software Engineering, Technology Policy]			EC
▶ Applied Information Technology* [MS concentrations: Cyber Security; Data Analytics and Intelligence Methods; Human-Computer Interaction; IT Management; Machine Learning Engineering]			GP
▶ Artificial Intelligence			●
Computer Science* [MS concentrations: Cyber Security, Machine Learning]	EC	GP	●
▶ Information Security and Assurance* [MS concentrations: Network and System Security; Applied Cyber Security]			●
▶ Information Systems* [MS concentrations: Human-Centered Computing; Cloud-based Information Systems]			●
▶ Information Technology [BS concentrations: Database Technology and Programming; Health Information Technology; Cyber Security; Network and Telecommunications; Web Application Development; Cloud Computing] [PhD concentrations: Digital Forensics; Information Sciences and Technology; Information Systems; Mechanical Engineering; Cyber Security Engineering]		EC	●
▶ Software Engineering*			GP
▶ Statistical Science* [MS concentrations: Statistical Data Science; Modern Statistics]			GP
▶ Statistics [BS concentrations: Applied Statistics; Mathematical Statistics; Sports Analytics; Statistical Analytics]	EC		

Volgenau School of Engineering			
▶ Bioengineering* [BS concentrations: Bioengineering, Healthcare Informatics; Bioengineering Prehealth; Biomaterials and Nanomedicine; Biomedical Imaging and Devices; Computational Biomedical Engineering; Neurotechnology and Computational Neuroscience] [PhD concentrations: Biomedical Imaging and Devices; Computational Biomedical Engineering; Biomaterials and Nanomedicine; Neurotechnology and Computational Neuroscience]	EC	GP	●
▶ Biostatistics*			GP
▶ Civil and Infrastructure Engineering* [MS concentrations: Construction Engineering and Management; Environmental and Water Resources Engineering; Geotechnical Engineering; Structural Engineering; Transportation Engineering]			GP
▶ Computer Engineering* [BS concentrations: Computer Networks; Embedded Systems; Hardware and System Security; Internet of Things; Robotics; Power and Energy Systems; Space-Based Systems; Semiconductor Engineering] [MS concentrations: Computer Architecture and Embedded Systems; Computer Networks; Digital Signal Processing; Digital System Design; Hardware Security and Cryptographic Engineering; Internet of Things and Network Security; Machine Learning and Intelligent Computing Architectures; Space-Based Systems]	EC	GP	
▶ Cyber Security Engineering* [MS concentrations: Secure Advanced Manufacturing and Supply Chains; Autonomous Vehicles Cyber Security; Cyber Secure Artificial Intelligence System]	EC	GP	
▶ Data Analytics Engineering* ◆ [MS concentrations: Applied Analytics; Bioengineering; Business Analytics; Computational Linguistics; Cyber Analytics; Data Mining; Financial Engineering; Health Data Analytics; Internet of Things; Mechanical Engineering; Naval Engineering; Predictive Analytics; Statistical Analytics; Individualized]			GP
▶ Digital Forensics* [MS concentrations: Penetration Testing/Reverse Engineering]			GP
▶ Electrical and Computer Engineering			●
▶ Electrical Engineering* [BS concentrations: Controls and Robotics; Communications and Signal Processing; Embedded Systems; Internet of Things; Power and Energy Systems; Space-Based Systems; Sustainable Data Center Engineering; Semiconductor Engineering] [MS concentrations: Bioengineering; Communications and Networking; Control and Robotics; Machine Learning in Electrical Engineering; Power Systems and Smart Grid; Semiconductor Engineering; Signal Processing; Space-Based Systems; Individualized]	EC	GP	
▶ Mechanical Engineering [BS concentration: Aerospace Engineering, Engineering Mechanics; Microfabrication; Robotics; Specialized Facilities]	EC		
▶ Operations Research [MS concentrations: Artificial Intelligence; Data Analytics; Financial Engineering; Military Operations Research; Optimization; Stochastic Models; Individualized]			GP
▶ Systems and Industrial Engineering	EC		
▶ Systems Engineering [MS concentrations: Advanced Transportation Systems; Command, Control, Communications, Computing, Intelligence and Cyber; Digital Engineering and System Architecture; Financial Systems Engineering; Systems Engineering of Software-Intensive Systems; Systems Management; Individualized]			GP
▶ Systems Engineering and Operations Research [Mechanical Engineering]			●
▶ Telecommunications* [MS concentrations: Network Technologies; Network Forensics and Security; Space Communication Systems]			GP



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