		Graduate School Governance Actions	
		2022-2023 Academic Year	
Graduate School			
Courses			
New			
		Total New Courses	**0**
Graduate Programs			
Revised Major Concentrations/Tracks			
		Total Revised Major Concentrations/Tracks	**0**
Discontinued Major Concentrations/Tracks			
	0	Total Discontinued Major Concentrations/Tracks	**0**
New Certificates			
	0	Total New Certificates	**0**
		Total Graduate School Governance Actions	**0**
College of Agriculture and Life Sciences			
Courses			
New			
	AAEC 6534: Economic Valuation of Environmental Change (CM-8007)		
	ENSC 5244: Advanced Ecological Restoration (CM-7670)		
	FST 5734: Data Analytics for Food and Agricultural Sciences (CM-7671)		
	HNFE 5194: Dietary Supplements and Health (CM-7623)		
		Total New Courses	**4**
Revised			
	AAEC 6004: Research Seminar and Professional Development (CM-7547)		
	HNFE 5364: Sports Nutrition Applications (CM-7567)		
	HNFE 5374: Sports Nutrition Practicum (CM-7675)		
	HNFE 5384: Research Dietetics Practicum (CM-7676)		
		Total Revised Courses	**4**
Discontinued			
		Total Discontinued Courses	**0**
Tabled			
		Total Tabled Courses	**0**
Revised Degrees			

		Total Revised Degrees	**0**
New Certificates			
	Establishment of New Graduate Certificate: Agribusiness Fundamentals (AGFC), effective for student date of entry under GR Catalog 2023-2024; first term and year to enroll: Summer 2023; first term and year to graduate: Fall 2023 (CM-7539)		
	Establishment of New Graduate Certificate: Applied Research in Nutrition and Dietetics (RNDC), effective for student date of entry under GR Catalog 2023-2024; first term and year to enroll: Summer 2023; first term and year to graduate: Fall 2023 (CM-7555)		
	Establishment of New Graduate Certificate: Sports and Human Performance Dietetics (SHPC), effective for student date of entry under GR Catalog 2023-2024; first term and year to enroll: Summer 2023; first term and year to graduate: Fall 2023 (CM-7556)		
	Establishment of New Graduate Certificate: Agricultural and Applied Economics (AEC), effective for student date of entry under GR Catalog 2023-2024; first term and year to enroll: Fall 2023; first term and year to graduate: Spring 2024 (CM-7600)		
		Total New Certificates	**4**
		Total College of Agriculture and Life Sciences Governance Actions	**12**

College of Architecture, Arts, and Design

Courses

New			
	ARCH 5434: Advanced Architectural Lighting Design (CM-7170)		
	IDS 5024: Design Methods & Communication (CM-7742)		
	IDS 5034: Prototypes and Evaluation (CM-7743)		
	LAR 5154: Environment and Resilience in Design (CM-7695)		
		Total New Courses	**4**
Revised			
		Total Revised Courses	**0**
Discontinued			
		Total Discontinued Courses	**0**
Tabled			
		Total Tabled Courses	**0**

Graduate Programs

Revised Degrees			
		Total Revised Degrees	**0**
New Certificates			
		Total New Certificates	**0**
Revised Certificates			
		Total Revised Certificates	**0**
Discontinued Certificates			
		Total Discontinued Certificates	**0**
Tabled Certificates			

Total Tabled Certificates	0	
Total College of Architecture and Urban Studies Governance Actions	4	

Pamplin College of Business

Courses

New

ACIS 5064: Taxation of Business Operations & Advanced Individual Income Tax Topics (CM-8154)		
ACIS 5664: Environmental, Social, and Governance Accounting (CM-7746)		
BIT 6194: Business Information Technology Colloquium (CM-7953)		
BIT 6214: Business Information Technology Research Foundations Seminar (CM-7951)		
BIT 6314: Artificial Intelligence/Machine Learning/Deep Learning Bus Research Seminar (CM-7952)		
FIN 6004: Doctoral Development for Business and Finance (CM-7736)		
MKTG 5264: Marketing Analytics (CM-7745)		
MKTG 6274: Seminar in Dissertation Proposal and Career Development (CM-7914)		
Total New Courses	8	

Revised

ACIS 5194: Financial Statement Analysis (CM-7554)		
ACIS 5414: Advanced Financial Statement Advising (CM-7553)		
Total Revised Courses	2	

Tabled

Total Tabled Courses	0	

Deferred

Total Deferred Courses	0	

Discontinued

Total Discontinued Courses	0	

Revised Degrees

Master of Accounting and Information Systems (MACIS), effective for student date of entry under GR catalog 2023-2024 (CM-8075)		
Total Revised Degrees	1	

New Certificates

Total New Certificates	0	

Revised Certificates

Total Revised Certificates	0	

Discontinued Certificates

Total Discontinued Certificates	0	
Total Pamplin College of Business Governance Actions	11	

College of Engineering

Courses			
New			
	AOE 5184 (ME 5184): High Speed Propulsion (CM-7562)		
	AOE 5224G: Advanced Atmospheric and Ocean Vehicle Model Identification (CM-7628)		
	BMES 5244 (ME 5244): Functional Anatomy for Engineers (previously tabled on 1/26/23) (CM-7627)		
	BMES 5644: Basic Concepts in Cancer Biology (CM-7534)		
	CEE 5140: Pollutant Fate and Transport in the Environment (CM-7666)		
	CEE 5160: Atmospheric Modeling (CM-8077)		
	CEE 5404: Structural Wind Engineering (CM-7679)		
	CEE 5664: Advanced Concrete Materials (CM-7741)		
	CHE 5204: Applied Rheology (CM-7954)		
	CHE 5404: Machine Learning in Chemical Sciences and Engineering (CM-7535)		
	CHE 5414: Explainable AI for Domain Insights (CM-7563)		
	CHE 5424: Computational and Data Sciences for Materials Design (CM-7564)		
	CHE 5434: Computational and Data Sciences for Process Engineering (CM-7565)		
	CS 5020: Software Design and Data Structures (CM-7646)		
	CS 5624: Natural Language Processing (CM-8160)		
	CS 5784: Software Project Management (CM-8158)		
	CS 5805-5806: Machine Learning (CM-8156)		
	CS 5864: Learning-based Computer Vision (CM-8159)		
	CS 6814: Science-Guided Machine Learning (CM-7617)		
	ISE 5054: Engineering Discourse (CM-8117)		
	ISE 5874: Digital Engineering (CM-7831)		
	ISE 5884: Systems Architecture (CM-7832)		
	ISE 6454: Stochastic and Robust Optimization (CM-8088)		
	ME 5924: Vibration of Continuous Systems (CM-7629)		
		Total New Courses	**24**
Revised			
	BSE 5214: Advanced Topics in Biological Systems Engineering (CM-6136)		
	CEE 6504: Introduction to Constitutive Modeling of Soil (CM-8076)		
	CS 5814: Introduction to Deep Learning (CM-8157)		
	ISE 5134: Enterprise Information Systems (CM-8027)		
	ISE 5264: Modeling and Analysis of Semiconductor Manufacturing (CM-7616)		
	ISE 5674: System Safety Analysis (CM-8029)		
	ISE 6434: Scheduling and Sequence Theory (CM-7615)		
	ISE 6604: Human Factors in Visual Display Systems (CM-8028)		
		Total Revised Courses	**8**
Discontinued			

	AOE 5135 (ME 5135) Vehicle Propulsion (CM-7562)		
	Total Discontinued Courses	**1**	
Tabled			
	Total Tabled Courses	**0**	
Graduate Programs			
New Degrees			
	Master of Science (MS), Major: Biomedical Engineering (Non-Thesis Option) (BMES), effective for student date of entry under GR catalog 2023-2024; first term and year to enroll: Summer 2023, first term and year to graduate: Fall 2024 (CM-7669)		
	Total New Degrees	**1**	
Revised Degrees			
	PhD in Biomedical Engineering (BMES), effective for student date of entry under GR catalog 2023-2024 (CM-7630)		
	Total Revised Degrees	**1**	
New Majors			
	Total New Majors	**0**	
Revised Majors			
	Total Revised Majors	**0**	
Tabled			
	Total Tabled Majors	**0**	
Degree Title Changes			
	Total Degree Title Changes	**0**	
New Certificates			
	Chemical Engineering Data Sciences(CDAC), effective for student date of entry under GR Catalog 2023-2024; first term and year to enroll: Spring 2024; first term and year to graduate: Spring 2024 (CM-7759)		
	Total New Certificates	**1**	
Revised Certificates			
	Engineering Education (ENGC), effective for student date of entry under GR Catalog 2023-2024 (CM-7536)		
	Mission Engineering (MENC), effective for student date of entry under GR Catalog 2023-2024 (CM-7830)		
	Total Revised Certificates	**2**	
Discontinued Certificates			
	Total Discontinued Certificates	**0**	
	Total College of Engineering Governance Actions	**38**	

College of Liberal Arts & Human Sciences

Courses

New			
	ADV 5204: Health Communication (CM-8084)		
	HIST 5164: Writing Skills for Professional Historians II (CM-8082)		

	PSCI 5234: Women in Politics Across the Globe (CM-7583)		
	SOC 5334: Academic Writing (CM-7737)		
	Total New Courses	**4**	
Revised			
	EDCI 6054: Academic Writing for Educational Research (CM-7848)		
	ENGL 6314: Ancient Rhetorics in Written Communication (CM-7532)		
	HIST 5154: Writing Skills for the Professional Historian I (CM-8081)		
	Total Revised Courses	**3**	
Discontinued			
	Total Discontinued Courses	**0**	
Tabled Courses			
	Total Tabled Courses	**0**	
Graduate Programs			
New Degrees			
	Total New Degrees	**0**	
Discontinued Degrees			
	Total Discontinued Degrees	**0**	
New Majors			
	Total New Majors	**0**	
Revised Majors			
	History (HIST) under Master of Arts (MA), effective for student date of entry under GR catalog 2023-2024 (CM-8083)		
	Total Revised Majors	**1**	
Tabled Majors			
	Total Tabled Majors	**0**	
Degree Title Changes			
	Total Degree Title Changes	**0**	
New Certificates			
	Bioethics (BEC), effective for student date of entry under GR Catalog 2023-2024; first term and year to enroll: Summer 2023; first term and year to graduate: Fall 2023 (CM-7668)		
	Total New Certificates	**1**	
Discontinued Certificates			
	Total Discontinued Certificates	**0**	
	Total College of Liberal Arts & Human Sciences Governance Actions	**9**	

College of Natural Resources and Environment

Courses

New

	FREC 5044: Conservation Finance and Development (CM-7667)		
	SBIO 5344: Industrial Ecology (CM-7846)		
	Total New Courses	**2**	
Revised			
	GEOG 5074G: Advanced Medical Geography of Infectious Diseases (CM-7573)		
	NR 5544: Climate Adaptation and Mitigation Planning (CM-7747)		
	Total Revised Courses	**2**	
Discontinued			
	Total Discontinued Courses	**0**	
Deferred			
	Total Deferred Courses	**0**	
New Degrees			
	Master of Professional Studies in Climate Leadership (MPSCL), Major: Climate Leadership (CL), effective for student date of entry under GR catalog 2023-2024; first term and year to enroll: Spring 2024; first term and year to graduate: Spring 2026 (CM-7822)		
	Total New Degrees	**1**	
	Total College of Natural Resources and Environment Governance Actions	**5**	

College of Science

Courses

New

	ADS 5804: Capstone Experience I: Definition and Data (CM-7578)		
	ADS 5814: Capstone Experience II: Implementation (CM-7579)		
	BIOL 5005, 5006: Biological Sciences Graduate Program Overview and Training (CM-7755)		
	CHEM 5705-5706: Macromolecular Chemistry (CM-7931)		
	ECON 5134: Managerial Economics (CM-7580)		
	ECON 5314G: Advanced Big Data Economics (CM-7543)		
	GEOS 5044: Writing and Communication in Geosciences (CM-7806)		
	PHYS 5464: Introduction to Quantum Field Theory (CM-7611)		
	PHYS 5524G: Advanced Introduction to Particle Physics (CM-7758)		
	PHYS 5534G: Advanced Quantitative Analysis of Physics Experiments (CM-7808)		
	PHYS 5664G: Advanced Astroparticle Physics (CM-7610)		
	PHYS 5725-5726: Group Theory and its Applications in Physics (CM-7612)		
	PSYC 6244: Multiculturalism in Clinical Psychology (CM-7566)		
	STAT 5234: Experimental Design for Data Science (CM-7506)		
	Total New Courses	**14**	
Revised			
	BIOL 5834: Advanced Practical Analysis of Protein Structure and Function (CM-7527)		

Total Revised Courses	**1**	
Discontinued		
BIOL 5834G Advanced Practical Analysis of Protein Structure and Function (CM-7527)		
CHEM 5704 Synthesis and Reactions of Macromolecules (CM-7931)		
Total Discontinued Courses	**2**	
Tabled		
Total Tabled Courses	**0**	
New Degrees		
Master of Science in Applied Data Science (MSADS), Major: Applied Data Science (ADS), effective for student date of entry under GR catalog 2023-2024; first term and year to enroll: Summer 2023, first term and year to graduate: Spring 2024 (CM-7613)		
Total New Degrees	**1**	
Discontinued Degrees		
Total Discontinued Degrees	**0**	
Revised Majors		
Economics (ECAS) under Master of Arts (MA), effective for student date of entry under GR catalog 2023-2024 (CM-8023)		
Total Revised Majors	**1**	
New Certificates		
Total New Certificates	**0**	
Total College of Science Governance Actions	**19**	

Virginia-Maryland Regional College of Veterinary Medicine

Courses		
New		
PHS 5234: Methods of Community Health Engagement (CM-7542)		
PHS 5724: Ethical Foundations of Public Health (CM-7541)		
Total New Courses	**2**	
Revised		
Total Revised Courses	**0**	
Discontinued		
Total Discontinued Courses	**0**	
Tabled		
Total Tabled Courses	**0**	
Total Virginia-Maryland Regional College of Veterinary Medicine Governance Actions	**2**	

Virginia Tech Carilion School of Medicine

Courses		
New		

	MED 9322: Basic Dermatology (CM-7598)		
	MED 9323: Endocrinology Elective (CM-8107)		
	MED 9324: COVID-19 Pandemic (CM-8118)		
	MED 9507: Acting Internship in Minimally Invasive Gynecologic Surgery and Pelvic Pain (CM-7597)		
	MED 9508: Acting Internship in Urogynecology (CM-7592)		
	MED 9509: Advocacy and Policy in Obstetrical Care (CM-8104)		
	MED 9510: Acting Internship in Equity and Advocacy in Obstetrical Care (CM-8102)		
	MED 9511: Maternal Fetal Medicine (CM-8108)		
	MED 9512: Delivering Equitable Care in Obstetrics (CM-8106)		
	MED 9615: Peds: SDOH/Advocacy (CM-8109)		
	MED 9B05: Anatomic and Clinical Pathology Elective (CM-8105)		
	MED 9B06: Acting Internship in Anatomic and Clinical Pathology Elective (CM-8101)		
	MED 9G14: Global Health Elective-Neurology Rotation at Aga Khan University, Karachi Pakistan (CM-7599)		
	MED 9G15: Global Health - Buenos Aires, Argentina (CM-8114)		
	MED 9G16: Medical Spanish Immersion Program in Tamarindo, Costa Rica (CM-8153)		
	MED 9LSE: LSE Foundations for Success in Medical Education (CM-7621)		
	MED 9M03: Academic Medicine Leadership (CM-7744)		
	MED 9P04: Spirituality and Medicine in Clinical Care (CM-7594)		
	MED 9P05: Disaster Management in Healthcare (CM-7595)		
	MED 9P06: History of Medicine (CM-7596)		
	MED 9P07: Quality and Safety in Healthcare (CM-8110)		
		Total New Courses	**21**
Revised			
	MED 9504: Acting Internship in Maternal Fetal Medicine (CM-8103)		
	MED 9505: OB-GYN Boot Camp (CM-7593)		
		Total Revised Courses	**2**
Discontinued			
		Total Discontinued Courses	**0**
Tabled			
		Total Tabled Courses	**0**
		Total Virginia Tech Carilion School of Medicine Governance Actions	**23**

Summary of Graduate Governance Actions			
	Courses		
		New Courses	83
		Revised Courses	22
		Discontinued (Upon Approval of New Course) Courses	3
		Deferred Courses	0
		Tabled Courses	0
		Subtotal Courses	108
	Graduate Programs		
		New Degrees	3
		Revised Degrees	2
		Discontinued Degrees	0
		New Majors	0
		Revised Majors	2
		Revised Major Concentrations/Tracks	0
		Discontinued Major Concentrations/Tracks	0
		Tabled Certificate	0
		Degree Title Changes	0
		New Certificates	6
		Revised Certificates	2
		Discontinued Certificates	0
		Subtotal Graduate Programs	15
		Total Graduate School Governance Actions	123