	Graduate School Governance Actions		
	2018-2019 Academic Year		

Graduate School

Graduate Programs

New Certificates

	Certificate: Inclusion and Diversity (IADC) (CM-5138)		
		Total New Certificates	**1**
		Total Graduate School Governance Actions	**1**

College of Agriculture and Life Sciences

Courses

New

	ALCE 5614 Politics and Practice of Food Security and Social Justice (CM-4839)		
	CSES 5444 Applied Agronomic Topics for the Mid-Atlantic (CM-4577)		
	ENT 5404 Insect Evolution and Diversity (CM-3903)		
	HNFE 5644G Advanced Health Counseling (CM-4774)		
	PPWS 5234 Applied Statistics for Plant and Environmental Sciences (CM-4578)		
		Total New Courses	**5**

Discontinued (232)

	ALS 5004 Animal Nutrition Seminar		
	ALS 5014 Seminar in Plant Physiology		
	CSES 5644 Advanced Soil Waste Management Systems		
		Total Discontinued (232) Courses	**3**

Tabled

	ALCE 5614 Politics and Practice of Food Security and Social Justice (Tabled 2/28/19) (CM-4839)		
		Total Tabled Courses	**1**
		Total College of Agriculture and Life Sciences Governance Actions	**9**

College of Architecture and Urban Studies

Courses

New

	ART 5534 Topics in Graduate Critique Methods and Practice (CM-5142)		
	BC 5114G Advanced Building Information Modeling in Design and Construction (CM-5096)		

	BC 5124G Advanced Digital Construction & Manufacturing (CM-5137)	
	BC 5154 Modeling in Design and Construction (CM-4672)	
	CNST 5034 Wireless Sensing in Construction Management (CM-4813)	
	SPIA 6004 SPIA Graduate Colloquium (CM-4150)	
	UAP 5614 Topics in City Design (CM-5092)	
	Total New Courses	**7**
Discontinued		
	BSE 5304 Nonpoint Source Pollution Modeling (CM-4720)	
	Total Discontinued Courses	**1**
Discontinued (232)		
	GIA 5574 (PSCI 5574) (UAP 5574) Arts, Culture, and Society	
	UAP 5184 Local Government Planning Management and Administration	
	UAP 5694 Asset Management for Public and Nonprofit Organizations	
	Total Discontinued (232) Courses	**3**
Tabled		
	SPIA 6004 SPIA Graduate Colloquium (Tabled 9/27/18) (CM-4150)	
	Total Tabled Courses	**1**
Graduate Programs		
Tabled Certificates		
	Certificate: Disaster Resilience and Risk Management (DRRC) (CM-4671)	
	Total Tabled Certificates	**1**
	Total College of Architecture and Urban Studies Governance Actions	**13**
Pamplin College of Business		
Courses		
New		
	ACIS 5654G Advanced Accounting Analytics (Conjoint) (CM-4776)	
	ACIS 5754 Internship in Accounting (CM-4777)	
	BIT 5324 Predictive Analytics & Data Mining for Executives (CM-4657)	
	BIT 6324 Design Science Seminar (CM-4883)	
	BIT 6334 Operations Management Seminar (CM-4884)	
	BIT 6344 Decision Analytics Seminar (CM-4885)	
	MKTG 5204 Consumer Behavior (CM-4656)	
	Total New Courses	**7**

Discontinued (232)		
	ACIS 5134 Mergers and Acquisitions	
	FIN 5074 Interest Rates	
	FIN 5214 Fixed Income Securities	
	FIN 5264 Mergers and Acquisitions and Corporate Restructuring	
	MGT 5404 MBA Career Planning	
	Total Discontinued (232) Courses	**5**
	Total Pamplin College of Business Governance Actions	**12**

College of Engineering

Courses

New		
	AOE 6064 Reliability-Based Design Optimization (CM-5149)	
	BMES 5204 Laboratory Techniques in Injury Prevention (CM-4054)	
	BMES 6534 Medical Health Radiation Physics (CM-3327)	
	BMES 6544 Radiological Physics (CM-3776)	
	BMES 6554 Radiation Therapy Physics (CM-3777)	
	BSE 5304G Advanced Watershed Modeling (Conjoint) (CM-4720)	
	CEE 5100 Stormwater Treatment (CM-4767)	
	CEE 5254 Municipal Engineering (CM-4583)	
	CEE 5264 Sustainable Land Development (CM-4584)	
	CEE 5274 Land Development Design Projects (CM-4585)	
	CEE 5490 Structural Mechanics (New) (CM-5214)	
	CEE 5500 Numerical Methods in Geotechnics (CM-4768)	
	CEE 5650 Freight Operations and Planning (CM-4769)	
	CEE 5884 Legal Aspects of Civil, Construction and Environmental Engineering (CM-5172)	
	CS 5024 Ethics and Professionalism in Computer Science (CM-5100)	
	CS 5040 Intermediate Data Structures and Algorithm Analysis (CM-5102)	
	CS 5594 Blockchain Technologies (CM-5103)	
	CS 5934 Capstone Project (CM-5104)	
	ECE 5444 Advanced Technological Singularity (CM-4586)	
	MINE 5324 Particulate Process Engineering (CM-4719)	
	MSE 5334 Applied Materials Analysis (CM-4706)	
	Total New Courses	**21**

Revised		
	AOE 5314 Naval and Marine Engineering Systems Design (CM-4446)	
	CS 5045-5046 Computation for the Data Sciences (CM-4698)	
	CS 5734 Social Computing and Computer-Supported Cooperative Work (CM-3778)	
	ISE 5015-5016 Management of Change, Innovation & Performance in Organizational Systems (CM-3783)	
	Total Revised Courses	**4**
Discontinued (232)		
	AOE 5305 Marine Engineering	
	AOE 5374 Rationally-Based Design of Ocean Structures	
	AOE 5454 Advanced Aerospace and Ocean Engineering Instrumentation	
	CEE 5574 Environmental Geotechnics	
	ECE 5530 Configurable Computing	
	ECE 5575-5576 Object-Oriented Software Development	
	ISE 5606 Human Factors Systems Design	
	ME 5504 Introduction to Rotor Dynamics Analysis	
	MINE 5015-5016 Advanced Mining Engineering	
	MINE 5085 In Situ Rock Measurements and Monitoring	
	MSE 5314 Materials Characterization Techniques	
	Total Discontinued (232) Courses	**11**
Tabled		
	AOE 5314 Naval and Marine Engineering Systems Design (CM-4446) (Tabled 9/27/18)	
	BMES 5204 Laboratory Techniques in Injury Prevention (CM-4054) (Tabled 10/11/18)	
	BMES 5614 Multiscale Cancer Engineering (CM-4702)	
	BMES 6524 Physics of Medical Imaging (CM-3326) (Tabled 2/14/19)	
	CEE 5100 Stormwater Treatment (CM-4767) (Tabled 1/24/19)	
	CEE 5264 Sustainable Land Development (CM-4584) (Tabled 2/14/19)	
	CEE 5274 Land Development Design Projects (CM-4585) (Tabled 9/27/18)	
	CS 5045-5046 Computation for the Data Sciences (CM-4698) (Tabled 1/24/19)	
	ME 6624 Advanced Finite Element Application in Mechanical Design (CM-4452) (Tabled 2/28/19)	
	MSE 5134 Transmission Electron Microscopy (CM-4705) (Tabled 4/25/19)	
	Total Tabled Courses	**10**
Graduate Programs		
New Degrees		

	Degree: Master of Engineering (MENG), Major: Computer Science and Applications (CSA) (CM-5119)		
	Total New Degrees	**1**	
Revised Certificates			
	Rename Certificate: Information Assurance Engineering (IAEC) to: Cybersecurity Engineering (CSEC) (CM-4561)		
	Total Revised Certificates	**1**	
Tabled Certificates			
	Rename Certificate: Information Assurance Engineering (IAEC) to: Cybersecurity Engineering (CSEC) (CM-4561) (Tabled on 2/14/19)		
	Total Tabled Certificates	**1**	
	Total College of Engineering Governance Actions	**48**	

College of Liberal Arts & Human Sciences

Courses

New			
	EDCI 5274 Curriculum and Instruction in Elementary School Mathematics (Pre-K-3) (CM-4929)		
	EDCI 5284 Curriculum and Instruction in Middle School Mathematics (4-8) (CM-4926)		
	EDCI 5604 Assessment and Diagnosis for the Mathematics Classroom (CM-4928)		
	EDCI 5714 Topics in Mathematics Education (CM-4930)		
	EDCI 5734 Critical Analysis of Mathematics Education Research (CM-4927)		
	Total New Courses	**5**	
Discontinued (232)			
	AFST 5224 Africana Studies Pro-Seminar		
	AFST 5324 Theorizing the African Diaspora		
	ALHR 5504 Foundations of Adult Lifelong Learning		
	EDCT 5764 Externship in Education		
	EDEL 5034 Public School Finance		
	ENGL 6304 Disciplinary Issues in Rhetoric and Writing		
	HD 6424 Advanced Experiential Models in Marriage and Family Therapy		
	PSCI 5534 Regionalism and Political Development		
	SOC 5324 Theorizing the African Diaspora		
	SOC 6304 Social Structure and Personality		
	Total Discontinued (232) Courses	**10**	

Graduate Programs

New Certificates			

	Certificate: Nuclear Science, Technology, and Policy (NTPC) (CM-4407)			
		Total New Certificates		**1**
		Total College of Liberal Arts & Human Sciences Governance Actions		**16**

College of Natural Resources and Environment

Courses

New

	FIW 5764 Systems Ecology and Conservation (CM-4554)			
	FIW 5774 Spatial Modeling of Species and Niches (CM-3888)			
	NR 5024 Sustainability Case Studies (CM-4866)			
	NR 5174 Sustainability Systems (CM-4868)			
	NR 5184 Adaptive Management (CM-4869)			
	NR 5214 Urban Water Systems (CM-4870)			
	NR 5204 Water Conflict & Management (CM-4871)			
	NR 5264 Watershed Stewardship (CM-4872)			
	NR 5274 Infrastructure for Resilience (CM-4873)			
	NR 5284 Coastal & Marine Management (CM-4874)			
	NR 5394 Transboundary Resource Management (CM-4876)			
	NR 5434 Human-Wildlife Conflicts (CM-4877)			
	NR 5454 Biodiversity Stewardship (CM-4878)			
	NR 5464 Biodiversity Policy (CM-4879)			
	NR 5524 Climate Change Science (CM-4880)			
	NR 5534 Climate Change Policy (CM-4881)			
	NR 5544 Climate Adaptation (CM-4882)			
	NR 5244 Innovating Water Partnerships (CM-4889)			
	NR 5674 Environmental Forensics (CM-4890)			
	NR 5694 Food Policy and Sustainability (CM-4891)			
	NR 5814 Business Sustainability Applications (CM-4892)			
	NR 5824 Sustainability Accounting and Reporting (CM-4893)			
	NR 5844 Leadership for Sustainability (CM-4894)			
	NR 5874 Strategies for Sustainability (CM-4896)			
		Total New Courses		**24**

Revised

	NR 5114 Global Issues in Environmental Sustainability (CM-4867)			

	NR 5344 International Environmental Law & Policy (CM-4875)		
	NR 5854 Leadership Communication for Sustainability Professionals (CM-4895)		
		Total Revised Courses	**3**
Discontinued (232)			
	NR 5384 Wetland Ecology and Policy		
	NR 5834 Ecological Economics		
	SBIO 5424 (CHEM 5424) Polysaccharide Chemistry		
		Total Discontinued (232) Courses	**3**
		Total College of Natural Resources and Environment Governance Actions	**30**

College of Science

Courses

New			
	CHEM 5614 Nuclear Magnetic Resonance Methods in Chemistry and Polymer Science (CM-4441)		
	CHEM 5834 Food, Energy, and Water Chemistry (CM-4545)		
	CHEM 5854 Enterpreneurship in Medicinal Chemistry (CM-4729)		
	GEOS 5924G Advanced Tectonics (Conjoint) (CM-4290)		
	MATH 5214 Topics in Analysis (CM-4789)		
	MATH 5424 Numerical Linear Algebra (CM-5232)		
	MATH 5554 Approximation Theory (CM-5233)		
	NEUR 6014 Glial Biology (CM-5263)		
	STAT 5054 Introduction to Statistical Computing (CM-4973)		
	STAT 6544 Surrogate Modeling (CM-4974)		
		Total New Courses	**10**
Discontinued (232)			
	BTDM 5214 Human Immunology		
	BTDM 5224 Principles of Pharmacology		
	CHEM 6164 Current Topics in Analytical Chemistry		
	CHEM 6674 Physical Chemistry of Polymers		
	ECON 6044 Collective Choice		
	ECON 6404 Industry Structure		
	GEOS 5594 Geological Engineering		
	MATH 5435 Principles and Techniques of Applied Mathematics		
	STAT 5534 Analysis of Multivariate Categorical Data		

	STAT 5564 Statistical Genetics		
	Total Discontinued (232) Courses	**10**	
	Total College of Science Governance Actions	**20**	

Virginia-Maryland Regional College of Veterinary Medicine

Courses			
New			
	PHS 5054 Public Health Leadership and Interprofessionalism (CM-4900)		
	PHS 5344 (VM 9344) Neglected & Emerging Infectious Diseases in Public Health (CM-4902)		
	VM 8224 Problem Solving in Public and Corporate Veterinary Practice (CM-4567)		
	VM 8294 Small Animal Surgical Diseases and Techniques (New) (CM-5277)		
	VM 8360 Food Animal Clinical Techniques (CM-5272)		
	VM 8364 Veterinarians and Public Policy (CM-4573)		
	VM 8464 Topics in Veterinary Public Health (CM-4566)		
	VM 8484 Food Animal Clinical Pharmacology (CM-5271)		
	VM 8504 Developing the Public Veterinary Practitioner (CM-4575)		
	VM 8664 Beyond Private Practice: Veterinary Careers and Pathways (CM-4574)		
	VM 8690 Equine Clinical Practice: Breathing, Circulating & Moving Lab (CM-5293)		
	VM 8724 Equine Diagnostic Techniques for the Musculoskeletal & Respiratory Systems (CM-5288)		
	VM 8794 Equine Podiatry (CM-5270)		
	VM 8810 Care Forward (CM-5287)		
	VM 8884 Traditional Chinese Veterinary Medicine (CM-5278)		
	VM 8894 Small Animal Ophthalmology & Neurology (CM-5275)		
	VM 8914 Small Animal Dentistry (CM-5276)		
	Total New Courses	**17**	
Revised			
	PHS 5004 Foundations of Public Health (CM-4901)		
	PHS 5024 Epidemiology and Quantitative Methods in Public Health Lab (CM-4898)		
	PHS 5025-5026 Epidemiology and Quantitative Methods in Public Health (CM-4897)		
	VM 8244 Zoo Mammal Comparative Morphology (CM-5289)		
	VM 8384 Food Animal Nutrition (CM-5273)		
	VM 8574 Food Animal Theriogenology (CM-5274)		
	VM 8804 Physical Rehabilitation and Complementary Medicine (CM-5295)		
	VM 9104 Veterinary Practice Business Management (CM-5286)		

			Total Revised Courses	8
Discontinued (232)				
	VM 9095-9096 (BMVS 5305-5306) Veterinary Oncology			
			Total Discontinued (232) Courses	1
Tabled				
	PHS 5024 Epidemiology and Quantitative Methods in Public Health Lab (Tabled on 4/11/19) (CM-4898)			
	PHS 5344 (VM 9344) Neglected & Emerging Infectious Diseases (Tabled on 4/18/19) (CM-4902)			
	VM 8364 Veterinarians and Public Policy (Tabled 11/8/18) (CM-4573)			
			Total Tabled Courses	3
			Total Virginia-Maryland Regional College of Veterinary Medicine Governance Actions	29

Summary of Graduate Governance Actions

	Courses			
			New	96
			Revised	15
			Discontinued (Upon Approval of New Course)	1
			Discontinued (PPM No. 232, Policy on Untaught (>3 years) Courses from Graduate School Catalog - Report	46
			Tabled	15
			Subtotal Courses	173
	Graduate Programs			
			New Degrees	1
			New Certificates	2
			Revised Certificates	1
			Tabled Certificates	2
			Subtotal Graduate Programs	6
			Total Graduate School Governance Actions	179