		Undergraduate Governance Actions	
		2018-2019 Academic Year	

College of Agriculture and Life Sciences

Courses

New

		APSC 3224 Meat Science Laboratory (CM-5229)	
		APSC 4514 Animal Growth and Development (CM-5230)	
		AT 0484 Precision Agriculture and Data Management (CM-4735)	
		BCHM 4354 Biochemical Communication (CM-4736)	
		HNFE 4514 Nutritional Genomics (CM-4576)	
		PPWS 4154 Plant Problem Diagnosis (CM-5238)	
		Total New Courses	**6**

Revised

		ALS 3304 Physiology of Reproduction (CM-4550)	
		APSC 3214 (FST 3214) Principles of Meat Science (CM-5228)	
		HNFE 4644 Health Counseling (CM-4773)	
		Total Revised Courses	**3**

Discontinued

		APSC 3514 Animal Growth, Development, and Evaluation (CM-5230)	
		Total Discontinued Courses	**1**

Discontinued (273)

		APSC 1624 Low Intermediate Equitation	
		PPWS 3514 Plant Physiology Lab	
		Total Discontinued (273) Courses	**2**

Checksheets

Revised Minors

		Minor: Crop and Soil Environmental Sciences (CSES) (CM-4955)	
		Minor: Plant Health Sciences (PHS) (CM-4947)	
		Total Revised Minors	**2**
		Total College of Agriculture and Life Science Governance Actions	**14**

College of Architecture and Urban Studies

Courses

New

		BC 4324 Innovation in Residential Construction (CM-5265)	
		BC 4374 Residential Housing and Land Development (CM-4824)	
		CAUS 1004 Exploring Architecture & Urban Studies (CM-4709)	
		SPIA 4724 CyberLeaders Capstone (CM-4673)	
		Total New Courses	**4**

Revised

		BC 2014 Construction Principles I (CM-4822)	
		BC 2024 Construction Principles II (CM-4823)	
		BC 2064 Integrated Construction I (CM-5304)	
		BC 3064 Integrated Construction II (CM-5305)	
		BC 4064 Integrated Construction III (CM-5306)	
		Total Revised Courses	**5**

Checksheets		
Revised Majors		
	Major: Industrial Design (IDS) under Degree: Bachelor of Science in Industrial Design (BSIDS) (CM-5186)	
	Total Revised Majors	**1**
Tabled Majors		
	Major: Creative Technologies (CTCH) under Degree: Bachelor of Fine Arts (BFA) (CM-5153)	
	Major: Graphic Design (GRAP) under Degree: Bachelor of Fine Arts (BFA) (CM-5153)	
	Major: Studio Art (STU) under Degree: Bachelor of Fine Arts (BFA) (CM-5153)	
	Total Tabled Majors	**3**
	Total College of Architecture and Urban Studies Governance Actions	**13**

Pamplin College of Business

Courses		
New		
	BIT 4624 Cybersecurity Analytics for Business (CM-4763)	
	HTM 4514 Hospitality Market Data Analysis (CM-4775)	
	MGT 2104 Careers in Management (CM-4589)	
	MGT 3404 Principles of Management (CM-4752)	
	REAL 1014 Careers in Real Estate (CM-4790)	
	REAL 2024 Principles of Real Estate Sales (CM-4700)	
	REAL 4064 Real Estate Appraisal (CM-5095)	
	Total New Courses	**7**
Revised		
	MKTG 4304 Marketing Communications (CM-4552)	
	MKTG 4604 Retail Management (CM-4553)	
	REAL 3024 Applied Real Estate Development (CM-5094)	
	Total Revised Courses	**3**
Discontinued (273)		
	MGT 2944 Military Leadership Practicum	
	Total Discontinued (273) Courses	**1**
Checksheets		
Revised Majors		
	Major: Real Estate (REAL) under Degree: Bachelor of Science in Real Estate (BSRST) (CM-5098)	
	Total Revised Majors	**1**
Discontinued Majors		
	Discontinue Major (DARS Only): Management (No Option) (MGT) (CM-4771)	
	Total Discontinued Majors	**1**
New Major Options		
	Major Option: Cybersecurity Management and Analytics (CMA) under Bachelor of Science in Business (BSBUS), Major: Business Information Technology (BIT) (CM-4762)	
	Total New Major Options	**1**
Revised Major Options		
	Rename Major Option: Management Consulting and Analysis (MCA) to: Management Consulting and Analytics (MCA) under Degree: Bachelor of Science in Business (BSBUS) Major: Management (MGT) (CM-4748)	
	Total Revised Major Options	**1**
Revised Minors		
	Minor: Real Estate (REAL) (CM-5099)	
	Total Revised Minors	**1**

		Total Pamplin College of Business Governance Actions	**16**

College of Engineering

Courses

New

	BMES 3154 Bioinstrumentation and Analysis (CM-4579)
	CEE 4694 Freight Operations (CM-4733)
	CEM 3154 Smart Construction (CM-4562)
	CEM 4445-4446 CEM Capstone (CM-5254)
	ECE 2024 Circuits and Devices (CM-4779)
	ECE 2514 Computational Engineering (CM-4750)
	ECE 2544 Fundamentals of Digital Systems (CM-4751)
	ECE 4454 Multimedia Signal Processing (CM-4582)
	ECE 4684 Network Science (CM-4658)
	ENGR 2174 Principles of Computer Systems (CM-4408)
	ME 3414 Fluid Dynamics (CM-4580)
	ME 3524 Mechanical Vibrations (CM-4559)
	ME 3534 Controls Engineering I (CM-4560)
	ME 3624 Mechanical Design (CM-4791)
	MINE 2544 Leadership for Responsible Mining (CM-4802)
	MSE 4174 Corrosion & Degradation of Materials Laboratory (CM-4556)
	MSE 4224 Electronic, Magnetic, and Optical Properties of Materials Laboratory (CM-4558)
	MSE 4394 Introduction to Molecular Dynamics Simulation (CM-4555)
	MSE 4434 Ceramic & Glass Materials Processing Laboratory (CM-4557)

	Total New Courses	**19**

Revised

	BSE 4304 Introduction to Watershed Modeling (CM-4718)
	ECE 3054 Electrical Theory (CM-4581)
	ECE 4154 (AOE 4654) Space Weather: The Solar Wind and Magnetosphere (CM-4815)
	ECE 4634 Digital Communications (CM-4732)
	MINE 2504 Introduction to Mining Engineering (CM-4801)

	Total Revised Courses	**5**

Checksheets

Revised Majors

	Major: Computer Science (CS) under Degree: Bachelor of Science (BS) (CM-5028)
	Major: Construction Engineering and Management (CEM) under Degree: Bachelor of Science in Construction Engineering Management (BSCEM) (CM-4963)
	Major: Industrial and Systems Engineering (ISE) under Degree: Bachelor of Science in Industrial and Systems Engineering (BSISE) (CM-4934)

	Total Revised Majors	**3**

Discontinued Degrees

	Discontinue Degree: Bachelor of Science in Engineering Science and Mechanics (BSESM) (CM-5173)

	Total Discontinued Degrees	**1**

Discontinued Majors

	Discontinue Major: Engineering Science and Mechanics (ESM) under Degree: Bachelor of Science in Engineering Science and Mechanics (BSESM) (CM-5173)

	Total Discontinued Majors	**1**

Discontinued Major Options

		Discontinue Major Option: Biomechanics (BMCH) under Degree: Bachelor of Science in Engineering Science and Mechanics (BSESM), Major: Engineering Science and Mechanics (ESM) (CM-5173)	
		Discontinue Major Option: Engineering Physics (EP) under Degree: Bachelor of Science in Engineering Science and Mechanics (BSESM), Major: Engineering Science and Mechanics (ESM) (CM-5173)	
		Total Discontinued Major Options	**2**
	New Minors		
		Minor: Human-Computer Interaction (HCI) (CM-4964)	
		Minor: Nuclear Engineering (NE) (CM-5281)	
		Total New Minors	**2**
	Tabled Majors		
		New Major: Data-Centric Computing (CS) under Degree: Bachelor of Science in Computer Science (BSCS) (CM-5030)	
		New Major: Secure Computing (CS) under Degree: Bachelor of Science in Computer Science (BSCS) (CM-5031)	
		Total Tabled Majors	**2**
		Total College of Engineering Governance Actions	**35**
College of Liberal Arts & Human Sciences			
Courses			
	New		
		ARBC 3514 Media Arabic (CM-4809)	
		ARBC 4154 Advanced Composition and Stylistics (CM-4540)	
		ARBC 4334 Research in Arab Culture (CM-4810)	
		COMM 3024 Digital Publishing (CM-4838)	
		HD 3254 Curriculum in Early Childhood (CM-4564)	
		HEB 1105-1106 (JUD 1105-1106) Elementary Modern Hebrew (CM-4861)	
		JPN 3125-3126 Japanese for Oral Proficiency (CM-4835)	
		JPN 4104 Japanese Advanced Grammar (CM-4834)	
		KOR 1105-1106 Elementary Korean (CM-4836)	
		Total New Courses	**9**
	Revised		
		AHRM 1104 Introduction to AHRM and Student Resources (CM-4740)	
		HIST 3484 Nazi Germany: History and Memory (CM-4859)	
		MN 1004 Introduction to Naval Science (CM-4699)	
		Total Revised Courses	**3**
	Discontinued		
		HEB 1104 (JUD 1104) Hebrew I (CM-4861)	
		HEB 1114 (JUD 1114) Hebrew II (CM-4861)	
		Total Discontinued Courses	**2**
Discontinued (273)			
		GER 3414 (ENGL 3414) German Literature in English	
		SOC 3304 Collective Action	
		WGS 3324 Perspective on Biology of Women	
		Total Discontinued (273) Courses	**3**
Checksheets			
	New Majors		
		Major: Childhood Pre-Education (CPED) under Degree: Bachelor of Science in Human Development (BSHD) (CM-4134)	
		Major: Humanities for Public Service (HPS) under Degree: Bachelor of Arts in Religion and Culture (BARLC) (CM-4749)	
		Major: Sports Media and Analytics (SMA) under Degree:Bachelor of Arts in Communication (BACOM) (CM-5121)	

		Total New Majors	**3**
Revised Majors			
	Major: Classical Studies (CLA) under Degree: Bachelor of Arts in Foreign Languages (BAFL) (CM-5135)		
	Rename Major: Communication Studies (CMST) to: Major: Communication Science and Social Inquiry (CSSI) under Degree: Bachelor of Arts in Communication (BACOM) (CM-4997)		
	Major: Multimedia Journalism (MJ) under Degree: Bachelor of Arts in Communication (BACOM) (CM-5122)		
	Major: Philosophy (PHIL) under Degree: Bachelor of Arts in Philosophy (BAPHI) (CM-4864)		
	Major: Public Relations (PR) under Degree: Bachelor of Arts in Communication (BACOM) (CM-5123)		
	Major: Religion and Culture (RLCL) under Degree: Bachelor of Arts in Religion and Culture (BARLC) (CM-5002)		
		Total Revised Majors	**6**
Discontinued Majors			
	Major: Communication Studies (CMST) under Degree: Bachelor of Arts in Communication (BACOM) (CM-4997)		
		Total Discontinued Majors	**1**
Discontinued Major Options			
	Discontinue Major Option: Humanities for Public Service (HPS) under Degree: Bachelor of Arts (BA), Major: Religion and Culture (RLCL) (CM-4749)		
	Discontinue Major Option: Sports Media and Analytics (SMA) under Degree: Bachelor of Arts in Communication (BACOM), Major: Multimedia Journalism (MJ) (CM-5121)		
		Total Discontinued Major Options	**2**
New Minors			
	Minor: Leadership and Service (LAS) (CM-5129)		
		Total New Minors	**1**
Revised Minors			
	Minor: Asian Studies (ASIA) (CM-5200)		
	Minor: Classical Studies (CLA) (CM-4816)		
	Minor: French for Business (FRBS) (CM-4344)		
	Minor: Housing (HSNG) (CM-4741)		
	Minor: Literature (LIT) (CM-5317)		
	Minor: Property Management (PM) (CM-4742)		
		Total Revised Minors	**6**
Discontinued Minors			
	Discontinued Minor: Communication (COMM) (CM-4727)		
	Discontinue Minor: Residential Property Management (RPMM) (CM-4742)		
		Total Discontinued Minors	**2**
		Total College of Liberal Arts & Human Sciences Governance Actions	**38**

College of Natural Resources and Environment

Courses

New			
	FREC 2614 Human-Environment Systems (CM-4760)		
	GEOG 2784 Geography of Tea (CM-4770)		
		Total New Courses	**2**
Revised			
	FREC 3544 Outdoor Recreation Planning & Management (CM-4761)		
	GEOG 4134 (GEOS 4134) Interdisciplinary Issues and Ethics in Water Resources (CM-5226)		
	SBIO 4444 Plant Polymers & Biocomposites (CM-5175)		
		Total Revised Courses	**3**
Discontinued (273)			
	SBIO 3234 Wood ID and Prop Lab		

		SBIO 3534 Lumber Manufacturing & Drying	
		SBIO 3544 Secondary Wood Manufacturing	
		Total Discontinued (273) Courses	**3**
Checksheets			
	Revised Majors		
		Major: Environmental Conservation & Society (ECS) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC) (CM-5179)	
		Major: Environmental Informatics (EI) under Degree: Bachelor of Science inForest Resources and Environmental Conservation (BSFRC) (CM-5223)	
		Major: Environmental Resource Management (ERM) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC) (CM-5224)	
		Major: Meteorology (MTRG) under Degree: Bachelor of Science (BS) (CM-5177)	
		Total Revised Majors	**4**
	Discontinued Majors		
		Discontinue Major: Natural Resources Conservation (NRC) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC) CM-5179)	
		Total Discontinued Majors	**1**
	Revised Major Options		
		Major Option: Forest Operations and Business (FOB) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC), Major: Forestry (FOR) (CM-5225)	
		Major Option: Forest Resource Management (FRB) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC), Major: Forestry (FOR) (CM-4977)	
		Major Option: Urban Forestry (UFOR) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC), Major: Forestry (FOR) (CM-4856)	
		Total Revised Major Options	**3**
Discontinued Major Options			
		Discontinue Major Option: Conservation and Recreation Management (CRM) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC), Major: Natural Resources Conservation (NRC) (CM-5179)	
		Discontinue Major Option: Environmental Education (NREE) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC), Major: Natural Resources Conservation (NRC) (CM-5179)	
		Total Discontinued Major Options	**2**
	Revised Minors		
		Minor: Meteorology (MTRG) (CM-5178)	
		Total Revised Minors	**1**
		Total College of Natural Resources and Environment Governance Actions	**19**

College of Science

Courses

	New		
		BIOL 1214 Careers in Medicine (CM-4772)	
		BIOL 3764 Careers and Current Research in Microbiology (CM-4831)	
		CHEM 1014 Calculations in Chemistry (CM-4754)	
		CHEM 1034 General Chemistry Recitation (CM-5201)	
		CHEM 4444 Bioinorganic Chemistry (CM-4710)	
		CHEM 4544 Medicinal Chemistry Capstone Laboratory (CM-4711)	
		CHEM 4584 Bioorganic Chemistry (CM-4571)	
		CHEM 4054 Capstone in Materials and Society (CM-4907)	
		MATH 1454 Introduction to Mathematical Problem-Solving (CM-4758)	
		NEUR 2014H Honors Fundamentals of Neuroscience (CM-4713)	
		NEUR 2554 Experimental Neuroscience (CM-4737)	
		NEUR 3234 The Artificial Brain (CM-4743)	

		NEUR 3774 Neuroendocrinology (CM-4738)	
		NEUR 3944 War and the Brain (CM-5262)	
		NEUR 4914 Drug Development in Neuroscience (CM-4908)	
		PHYS 2324 Thermal Physics Module (CM-4551)	
		PHYS 2334 Waves and Sound Module (CM-4549)	
		PHYS 2344 Optics Module (CM-4548)	
		PSYC 2014 Psychology of Social Interventions (CM-4570)	
		Total New Courses	**19**
	Discontinued		
		BIOL 4764 Microbiology Senior Seminar (CM-4831)	
		Total Discontinued Courses	**1**
Checksheets			
	New Majors		
		Major: Medicinal Chemistry (MDCH) under Degree: Bachelor of Science in Chemistry (BSCHM) (CM-4757) (2021)	
		Major: Polymer Chemistry (POLY) under Degree: Bachelor of Science in Chemistry (BSCHM) (CM-4756) (2021)	
		Total New Majors	**2**
	Revised Majors		
		Major: Biological Sciences (No Option) (BIOL) under Degree: Bachelor of Science (BS) (CM-5152)	
		Major: Chemistry (CHEM) under Degree: Bachelor of Science in Chemistry (BSCHM) (CM-4796) (2021)	
		Major: Chemistry (CHEM) under Degree: Bachelor of Science in Chemistry (BSCHM) (CM-4797) (2022)	
		Major: Clinical Neuroscience (CNEU) under Degree: Bachelor of Science in Neuroscience (BSNEU) (CM-5159)	
		Major: Cognitive and Behavioral Neuroscience (CBNU) under Degree: Bachelor of Science in Neuroscience (BSNEU) (CM-5158)	
		Major: Computational and Systems Neuroscience (CSNU) under Degree: Bachelor of Science in Neuroscience (BSNEU) (CM-5160)	
		Major: Economics (ECON) under Degree: Bachelor of Arts (BA) (CM-5014)	
		Major: Experimental Neuroscience (EXPN) under Degree: Bachelor of Science in Neuroscience (BSNEU) (CM-5161)	
		Major: Mathematics (No Option) (MATH) under Degree: Bachelor of Science (BS) (CM-5041)	
		Major: Medicinal Chemistry (MDCH) under Degree: Bachelor of Science in Chemistry (BSCHM) (CM-4757) (2022)	
		Major: Microbiology (MIC) under Degree: Bachelor of Science in Microbiology (BSMIC) (CM-5157)	
		Major: Physics (PHYS) under Degree: Bachelor of Arts (BA) (CM-5020)	
		Major: Physics (PHYS) under Degree: Bachelor of Science (BS) (CM-5027)	
		Major: Polymer Chemistry (POLY) under Degree: Bachelor of Science in Chemistry (BSCHM) (CM-4756) (2022)	
		Major: Psychology (PSYC) under Degree: Bachelor of Science (BS) (CM-5169)	
		Total Revised Majors	**15**
	Revised Major Options		
		Major Option: Applied Computational Mathematics (ACM) under Degree: Bachelor of Science (BS), Major: Mathematics (MATH) (CM-5038)	
		Major Option: Applied Discrete Mathematics (ADM) under Degree: Bachelor of Science (BS), Major: Mathematics (MATH) (CM-5039)	
		Major Option: Biological Science Education (BSED) under Degree: Bachelor of Science (BS), Major: Biological Sciences (BIOL) (CM-5154)	
		Major Option: Biomedical Option (BIOM) under Degree: Bachelor of Science (BS), Major: Biological Sciences (BIOL) (CM-5151)	
		Major Option: Business Option (ECNB) under Degree: Bachelor of Arts (BA), Major: Economics (ECON) (CM-4996)	
		Major Option: Ecology, Evolution, and Behavior Option (EEB) under Degree: Bachelor of Science (BS), Major: Biological Sciences (BIOL) (CM-5155)	
		Major Option: Mathematics Education (MSTR) under Degree: Bachelor of Science (BS), Major: Mathematics (MATH) (CM-5040)	
		Major Option: Physics Education (PHYE) under Degree: Bachelor of Arts (BA), Major: Physics (PHYS) (CM-5021)	
		Major Option: Pre-Health (PREH) under Degree: Bachelor of Arts (BA), Major: Physics (PHYS) (CM-5022)	
		Major Option: Pre-Law (PRLW) under Degree: Bachelor of Arts (BA), Major: Physics (PHYS) (CM-5024)	
		Total Revised Major Options	**10**
	Revised Minors		

	Minor: Geosciences (GEOS) (CM-5168)	
	Minor: Mathematics (MATH) (CM-5042)	
	Minor: Psychology (PSYC) (CM-5163)	
Total Revised Minors		**3**
Total College of Science Governance Actions		**50**

Virginia-Maryland Regional College of Veterinary Medicine

Checksheets

New Minors		
	Minor: Public Health (PH) (CM-4708) (2020)	
Total New Minors		**1**
Revised Minors		
	Minor: Public Health (PH) (CM-5144) (2021)	
Total Revised Minors		**1**
Total Virginia-Maryland College of Veterinary Medicine Governance Actions		**2**

Honors College

Courses

New		
	UH 3855-3856 Calhoun Transdisciplinary Design Studio (CM-4787)	
	UH 4855-4856 Calhoun Transdisciplinary Capstone Studio (CM-4788)	
Total New Courses		**2**
Total Honors College Governance Actions		**2**

Summary of Undergraduate Governance Actions

Courses		
New		68
Revised		22
Discontinued (Upon Approval of New Course)		4
Discontinued (PPM No. 273, Policy on Untaught (>5 years) Courses from Undergraduate Catalog		9
Subtotal Courses		**103**
Checksheets		
Discontinue Degrees		1
New Majors		5
Revised Majors		30
Discontinued Majors		4
Tabled Majors		5
New Major Options		1
Revised Major Options		14
Discontinued Major Options		6
New Minors		4
Revised Minors		14
Discontinued Minors		2
Subtotal Checksheets		**86**
Total Undergraduate Governance Actions		**189**