Undergraduate Governance Actions			
2019-2020 Academic Year			
College of Agriculture and Life Sciences			
Courses			
	New		
		AAEC 3424 Value-Based Management in Agribusiness (CM-5543)	
		APSC 4204 Advanced Equine Nutrition and Feeding (CM-5459)	
		ENSC 3244 Ecological Restoration (CM-5395)	
		ENT 4624 Animal and Plant Biosafety and Biosecurity (CM-5443)	
		HNFE 4824 Advanced Kinesiology (CM-5458)	
		Total New Courses	**5**
	Discontinued (273)		
		AAEC 2424 Cooperatives and Their Impact on the Human Condition	
		HNFE 3014 Food, Nutrition and Wellness Study Tour	
		Total Discontinued (273) Courses	**2**
Checksheets			
	New Majors		
		Establishment of New Major: Community Economic Development (CED) under Degree: Bachelor of Science in Applied Economic Management (BSAEM), effective for students graduating in calendar year 2022, first term and year to enroll: Summer 2020, first term and year to graduate: Winter 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5310)	
		Establishment of New Major: Environmental Economics: Management and Policy (EEMP) under Degree: Bachelor of Science in Applied Economic Management (BSAEM), effective for students graduating in calendar year 2022, first term and year to enroll: Summer 2020, first term and year to graduate: Winter 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5313)	
		Establishment of New Major: Food and Health Systems Economics (FHSE) under Degree: Bachelor of Science in Applied Economic Management (BSAEM), effective for students graduating in calendar year 2022, first term and year to enroll: Summer 2020, first term and year to graduate: Winter 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5312)	
		Establishment of New Major: International Trade and Development (ITD) under Degree: Bachelor of Science in Applied Economic Management (BSAEM), effective for students graduating in calendar year 2022, first term and year to enroll: Summer 2020, first term and year to graduate: Winter 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5314)	
		Total New Majors	**4**
	Revised Majors		
		Major: Biochemistry (BCHM) under Degree: Bachelor of Science (BS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5948)	
		Major: Environmental Science (ENSC) under Bachelor of Science (BS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5894)	
		Major: Environmental Horticulture (EHRT) under Bachelor of Science in Horticulture (BSHRT), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5893)	
		Major: Landscape Horticulture and Design (LCON) under Bachelor of Science in Horticulture (BSHRT), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5895)	
		Total Revised Majors	**4**
	New Major Options		
		Establishment of New Major Concentration/Option: Community Leadership and Development (CLD) under Bachelor of Science (BS) Major: Agricultural Sciences (AGSC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2022 (CM-5901)	

	Establishment of New Major Concentration/Option: Teaching and Learning (TL) under Bachelor of Science (BS) Major: Agricultural Sciences (AGSC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021, first term and year to enroll: Fall 2020, first term and year to graduate: Winter 2022 (CM-5902)	
	Total New Major Options	**2**
Revised Major Options		
	Major Concentration/Option: Agribusiness Management (AGBM) under Degree: Bachelor of Science (BS), Major: Agribusiness (AGRB), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5463)	
	Major Concentration/Option: Veterinary Business Management (VBMG) under Degree: Bachelor of Science (BS), Major: Agribusiness (AGRB), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5464)	
	Major Concentration/Option: Community Economic Development (CED) under Degree: Bachelor of Science (BS), Major: Applied Economic Management (AEM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5465)	
	Major Concentration/Option: Environmental Economics, Management, and Policy (EEMP) under Degree: Bachelor of Science (BS), Major: Applied Economic Management (AEM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5466)	
	Major Concentration/Option: International Trade and Development (ITD) under Degree: Bachelor of Science (BS), Major: Applied Economic Management (AEM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5467)	
	Major Concentration/Option: Food and Beverage Fermentation (FERM) under Degree: Bachelor of Science (BS), Major: Food Science and Technology (FST), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-4986)	
	Major Concentration/Option: Food and Health (FDHL) under Degree: Bachelor of Science (BS), Major: Food Science and Technology (FST), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-4987)	
	Major Concentration/Option: Food Business (FDBS) under Degree: Bachelor of Science (BS), Major: Food Science and Technology (FST), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-4988)	
	Major Concentration/Option: Science (SCIE) under Degree: Bachelor of Science (BS), Major: Food Science and Technology (FST), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-4989)	
	Major Concentration/Option: Dairy Business Management (DBM) under Bachelor of Science (BS), Major: Dairy Science (DASC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5871)	
	Major Concentration/Option: DUAL Emphasis (DUAL) under Bachelor of Science (BS), Major: Dairy Science (DASC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5872)	
	Major Concentration/Option: Science/PreVet (SPV) under Bachelor of Science (BS), Major: Dairy Science (DASC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5873)	
	Major Concentration/Option: Agronomy (AGRO) under Bachelor of Science (BS), Major: Crop and Soil Environmental Sciences (CSS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5881)	
	Major Concentration/Option: Crop Genetics and Breeding (CRGB) under Bachelor of Science (BS), Major: Crop and Soil Environmental Sciences (CSS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5882)	
	Major Concentration/Option: International Agriculture (INAG) under Bachelor of Science (BS), Major: Crop and Soil Environmental Sciences (CSS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5891)	
	Major Concentration/Option: Turfgrass Management (TURF) under Bachelor of Science (BS), Major: Crop and Soil Environmental Sciences (CSS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5892)	
	under Bachelor of Science (BS) Major: Animal and Poultry Science (APSC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5898)	
	Major Concentration/Option: Pre-Vet (PVT) under Bachelor of Science (BS), Major: Animal and Poultry Science (APSC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5899)	
	Bachelor of Science (BS) Major: Animal and Poultry Science (APSC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5900)	
	Major Concentration/Option: Dietetics (DIET) under Bachelor of Science (BS), Major: Human Nutrition, Foods and Exercise (HNFE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5962)	
	Major Concentration/Option: Science of Food, Nutrition and Exercise (SNFE) under Bachelor of Science (BS), Major: Human Nutrition, Foods and Exercise (HNFE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5963)	

		Total Revised Major Options	**21**
Discontinued Major Options			
	Discontinue Major Concentration/Option: Community Economic Development (CED) under Degree: Bachelor of Science (BS), Major: Applied Economic Management (AEM), last term and year to graduate: Fall 2023 (CM-5310)		
	Discontinue Major Concentration/Option: Environmental Economics, Management, and Policy (EEMP) under Degree: Bachelor of Science (BS), Major: Applied Economic Management (AEM), last term and year to graduate: Fall 2023 (CM-5313)		
	Discontinue Major Concentration/Option: International Trade and Development (ITD) under Degree: Bachelor of Science (BS), Major: Applied Economic Management (AEM), last term and year to graduate: Fall 2023 (CM-5314)		
3		**Total Discontinued Major Options**	**3**
New Minors			
	Establishment of New Minor: Teaching and Learning in Agriculture (TLAG), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021, first term and year to enroll: Fall 2020, first term and year to graduate: Winter 2022 (CM-5462)		
		Total New Minors	**1**
Revised Minors			
	Minor: Horticulture (HORT), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5875)		
		Total Revised Minors	**1**
		Total College of Agriculture and Life Science Governance Actions	**43**

College of Architecture and Urban Studies

Courses			
New			
	BC 2134 Construction Data Analysis (CM-5476)		
	BC 2354 Residential Construction Technologies (CM-5633)		
	BC 4364 Lifecycle BIM for Facility Management (CM-5632)		
	IDS 2034 Design Visualization (CM-5946)		
	LAR 1014 Landscape Architecture Foundation Design Laboratory (CM-5838)		
		Total New Courses	**5**
Revised			
	ARCH 4515-4516 Architecture V (CM-5552)		
	BC 1214 Introduction to Building Construction I (CM-5349)		
	BC 1224 Introduction to Building Construction II (CM-5350)		
	LAR 2164 Landform Function and Aesthetics (CM-5841)		
	LAR 3164 Design in Detail: Materials, Methods & Assembly (CM-5842)		
	LAR 4094 Senior Project (CM-5845)		
		Total Revised Courses	**6**
Discontinued			
	IDS 2065-2066 Design Visualization (CM-5946)		
		Total Discontinued Courses	**1**
Discontinued (273)			
	ARCH 1014 Introduction to Architecture: Lessons in Form & Culture		
		Total Discontinued (273) Courses	**1**
Checksheets			
New Majors			
	Establishment of New Major: Studio Art (STU) under Degree: Bachelor of Fine Arts (BFA), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (CM-5153)		
	Establishment of New Major: Creative Technologies in Art (CTCH) under Degree: Bachelor of Fine Arts (BFA), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (CM-5153)		

		Establishment of New Major: Graphic Design (GRAP) under Degree: Bachelor of Fine Arts (BFA), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (CM-5153)	
		Total New Majors	**3**
	Revised Majors		
		Major: Smart and Sustainable Cities (SSC) under Degree: Bachelor of Arts in Public and Urban Affairs (BAPUA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5770)	
		Major: Environmental Policy and Planning (EPP) under Degree: Bachelor of Arts in Public and Urban Affairs (BAPUA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5771)	
		Major: Building Construction (BC) under Degree: Bachelor of Science (BS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5772)	
		Major: Architecture under Degree: Bachelor of Architecture (BARCH), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5773)	
		Major: Industrial Design (IDS) under Degree: Bachelor of Science in Industrial Design (BSIDS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5829)	
		Major: Landscape Architecture (LAR) under Degree: Bachelor of Landscape Architecture (BLA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5827)	
		Total Revised Majors	**6**
	Discontinued Majors		
		Following the reconstruction of Bachelor of Fine Arts, discontinue Major: ART (ARTF) under Bachelor of Fine Arts (BFA) last term and year to graduate: Fall 2022 (CM-5153)	
		Total Discontinued Majors	**1**
Discontinued Major Options			
		Discontinue Major Concentration/Option: Creative Technologies in Art (CTCH) under Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153)	
		Discontinue Major Concentration/Option: Studio Art (STU) under Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153)	
		Discontinue Major Concentration/Option: Visual Communication Design (VCD) under Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153)	
		Total Discontinued Major Options	**3**
	Discontinued Minors		
		Construction (BCMN), last term and year to enroll: Spring 2020, last term and year to graduate: Fall 2022 (CM-5906)	
		Total Discontinued Minors	**1**
	Total College of Architecture and Urban Studies Governance Actions		**27**

Pamplin College of Business

Courses

	New		
		BIT 2104 Careers in Business Information Technology (CM-6017)	
		BIT 3514 Systems Analysis and Design (CM-5436)	
		BIT 3524 Database Management and Design (CM-5437)	
		BIT 3554 (ACIS 3554) Networks, Telecommunications and Security (CM-5435)	
		FIN 4255-4256 Credit Corps Lending Practicum (CM-5396)	
		MGT 2114 Principles of Project Management (CM-5455)	
		REAL 4034 Real Estate Analytical Methods (CM-5366)	
		Total New Courses	**7**
	Revised		
		MGT 2104 Careers in Management (CM-5434)	
		REAL 2024 Principles of Real Estate Sales (CM-5351)	
		Total Revised Courses	**2**

Discontinued			
	ACIS 4554 Networks and Telecommunications in Business (CM-5435)		
	BIT 4514 Database Technology (CM-5437)		
	BIT 4524 Systems Development (CM-5436)		
	BIT 4554 Networks and Telecom (CM-5435)		
	Total Discontinued Courses		**4**
Discontinued (273)			
	HTM 3454 Tourism Analysis		
	Total Discontinued (273) Courses		**1**
Checksheets			
Revised Majors			
	Major: Real Estate (REAL) under Degree: Bachelor of Science in Real Estate (BSREL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5847)		
	Major: Hospitality and Tourism Management (HTM) under Degree: Bachelor of Science in Business (BSBUS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5746)		
	Major: Marketing Management (MKTG) under Degree: Bachelor of Science in Business (BSBUS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5759)		
	Total Revised Majors		**3**
Revised Major Options			
	Major Concentration/Option: Accounting (ACCT) under Degree: Bachelor of Science in Business (BSBUS), Major: Accounting and Information Systems (ACIS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5758)		
	Major Concentration/Option: Accounting Information Systems Audit (ISA) under Degree: Bachelor of Science in Business (BSBUS), Major: Accounting and Information Systems (ACIS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5757)		
	Major Concentration/Option: Computer Based Decision Support Systems (DSS) under Degree: Bachelor of Science in Business (BSBUS), Major: Business Information Technology (BIT), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5904)		
	Major Concentration/Option: Cybersecurity Management and Analytics (CMA) under Degree: Bachelor of Science in Business (BSBUS), Major: Business Information Technology (BIT), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5903)		
	Major Concentration/Option: Operations and Supply Chain Management (OSM) under Degree: Bachelor of Science in Business (BSBUS), Major: Business Information Technology (BIT), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5905)		
	Major Concentration/Option: Certified Financial Planner Certification Education (FCFP) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5805)		
	Major Concentration/Option: Corporate Financial Management (FCFM) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5804)		
	Major Concentration/Option: Financial Accounting (FFAC) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5806)		
	Major Concentration/Option: FinTech and Big Data Analytics (FBTA) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5808)		
	Major Concentration/Option: Investment Management and Chartered Financial Analyst (FCFA) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5803)		
	Major Concentration/Option: Real Estate Finance (RELF) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5807)		
	Major Concentration/Option: Risk Management and Banking (FRMB) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5809)		
	Major Concentration/Option: Digital Marketing Strategy (DMS) under Degree: Bachelor of Science in Business (BSBUS), Major: Marketing Management (MKTG), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5760)		
	Major Concentration/Option: Professional Sales (PRSL) under Degree: Bachelor of Science in Business (BSBUS), Major: Marketing Management (MKTG), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5761)		

		Major Concentration/Option: Entrepreneurship, Innovation and Technology Management (EIT) under Degree: Bachelor of Science in Business (BSBUS), Major: Management (MGT), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5920)	
		Major Concentration/Option: Management Consulting and Analytics (MCA) under Degree: Bachelor of Science in Business (BSBUS), Major: Management (MGT), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5918)	
		Major Concentration/Option: Human Resource Management (MHR) under Degree: Bachelor of Science in Business (BSBUS), Major: Management (MGT), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5919)	
		Total Revised Major Options	**17**
New Minors			
		Establishment of New Minor: Finance (FIN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021, first term and year to enroll: Fall 2020, first term and year to graduate: Winter 2022 (CM-5922)	
		Total New Minors	**1**
Revised Minors			
		Minor: Business (BUS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5793)	
		Total Revised Minors	**1**
		Total Pamplin College of Business Governance Actions	**36**
College of Engineering			
Courses			
	New		
		AOE 3354 Avionics Systems (CM-5297)	
		AOE 3804 Special Topics in Aircraft Systems (CM-5724)	
		AOE 4604 Booster Design, Fabrication, and Operation (CM-5257)	
		BSE 4534 Bioprocess Engineering Lab (CM-5298)	
		CEE 2834 Civil Engineering Drawings and Virtual Modeling (CM-6047)	
		CEE 3814 Analytical Tools in Civil and Environmental Engineering (CM-6048)	
		CHE 4024 Unit Operations and Scale-Up (CM-5531)	
		ECE 2214 Physical Electronics (CM-5181)	
		ECE 2564 Embedded Systems (CM-5182)	
		ECE 2714 Signals and Systems (CM-5183)	
		ECE 3514 Data Structures and Algorithms (CM-5728)	
		ECE 4414 (CS 4224) Linux Kernel Programming (CM-5185)	
		ECE 4444 Technological Singularity (CM-5532)	
		ECE 2804 Integrated Design Project (CM-5184)	
		ENGE 3604 Introductory Industry Design Experience (CM-5533)	
		ISE 2024 Probability Foundations for Industrial and Systems Engineers (CM-5470)	
		ISE 4804 System Dynamics Modeling of Industrial Systems (CM-5578)	
		ME 4734 Robotics & Mechatronics Seminar (CM-5363)	
		ME 4744 Mechatronics: Theory and Application (CM-5364)	
		ME 4754 Mechatronics: Advanced Topics and Application (CM-5365)	
		MINE 1024 Leadership and Service in the Mineral Industries (CM-6012)	
		MINE 2564 Resource Exploration and Design (CM-5620)	
		MINE 2714 Introduction to Petroleum and Natural Gas Engineering (CM-5911)	
		MINE 3604 Mining Geomechanics (CM-5912)	
		MINE 3624 Mineral Resource Project Management (CM-5621)	
		MINE 3644 Applications in Mineral Processing (CM-5622)	
		MINE 3674 Explosives and Rock Fragmentation (CM-5913)	
		MINE 3714 Petroleum and Natural Gas Reservoir Engineering (CM-5914)	

		MINE 3724 Formation Evaluation and Engineering (CM-5623)	
		MINE 4614 Health and Safety Systems (CM-5915)	
		MINE 4644 Environmental Management for Mining and Geoenergy (CM-5627)	
		MINE 4654 Mine Power Systems and Automation (CM-5624)	
		MINE 4664 Resource Engineering Leadership Seminar (CM-5916)	
		MINE 4714 Well Drilling and Completion Engineering (CM-5625)	
		MINE 4724 Petroleum and Natural Gas Production Engineering (CM-5626)	
		Total New Courses	**35**
	Revised		
		BMES 2104 Introduction to Biomedical Engineering (CM-5558)	
		CEE 3404 Introduction to Structural Engineering (CM-5358)	
		CEE 4404 Intermediate Structural Analysis (CM-5359)	
		CEE 4824 Introduction to Forensic Engineering (CM-5360)	
		ECE 3614 Introduction to Communication Systems (CM-5329)	
		ECE 4224 Power Electronics (CM-5530)	
		ECE 4534 Embedded System Design (CM-5361)	
		ESM 2014 Professional Development Seminar (CM-5529)	
		ESM 3024 Introduction to Fluid Mechanics (CM-5559)	
		ISE 2004 Introduction to Industrial and Systems Engineering (CM-5322)	
		ISE 4005-4006 Project Management and Systems Design (Revised) (CM-5562)	
		ME 2004 (MATH 2004) Engineering Analysis Using Numerical Methods (CM-5253)	
		Total Revised Courses	**12**
	Discontinued		
		MINE 2524 Elements of Mine Design (CM-5620)	
		MINE 3514 Rock Mechanics Lab (CM-5912)	
		MINE 3524 Excavation Engineering (CM-5913)	
		MINE 3554 Resource Recovery (CM-5622)	
		MINE 4514 Health, Safety, and Risk Management (CM-5915)	
		MINE 4524 Project Engineering and Mine Management (CM-5621)	
		MINE 4544 Mine Reclamation and Environmental Management (CM-5627)	
		MINE 4554 Mining Engineering Leadership Seminar (CM-5916)	
		MINE 3504 Rock Mechanics (CM-5912)	
		Total Discontinued Courses	**9**
	Tabled		
		ME 4744 Mechatronics: Theory and Application (CM-5364) Tabled 10/25/20	
		Total Tabled Courses	**1**
Checksheets			
	New Majors		
		Establishment of New Major: Data-Centric Computing (DCC) under Degree: Bachelor of Science in Computer Science (BSCS), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (previously tabled on 4/26/19) (CM-5030)	
		Establishment of New Major: Secure Computing (SC) under Degree: Bachelor of Science in Computer Science (BSCS), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (previously tabled on 4/26/19) (CM-5031)	
		Establishment of New Major: Automotive Engineering (AUTE) under Bachelor of Science in Mechanical Engineering (BSME), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5794)	
		Establishment of New Major: Robotics and Mechatronics (RBMT) under Bachelor of Science in Mechanical Engineering (BSME), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5362)	
		Total New Majors	**4**

Revised Majors		
	Major: Aerospace Engineering (AE) under Bachelor of Science in Aerospace and Ocean Engineering (BSAOE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5397)	
	Major: Ocean Engineering (OE) under Bachelor of Science in Aerospace and Ocean Engineering (BSAOE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5398)	
	Major: Biological Systems Engineering (BSE) under Degree: Bachelor of Science in Biological Systems Engineering (BSBSE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5560)	
	Major: Civil Engineering (CE) under Degree: Bachelor of Science in Civil Engineering (BSCE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5534)	
	Major: Construction Engineering and Management (CEM) under Degree: Bachelor of Science in Construction Engineering and Management (BSCEM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5535)	
	Major: Chemical Engineering (CHE) under Degree: Bachelor of Science in Chemical Engineering (BSCHE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5321)	
	Major: Engineering Science and Mechanics (ESM) under Degree: Bachelor of Science in Engineering Science and Mechanics (BSESM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5671)	
	Major: Industrial and Systems Engineering (ISE) under Degree: Bachelor of Science in Industrial and Systems Engineering (BSISE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5639)	
	Major: Material Science and Engineering (MSE) under Bachelor of Science in Material Science and Engineering (BSMSE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5469)	
	Major: Mining Engineering (MINE) under Bachelor of Science in Mining Engineering (BSMNE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5917)	
	Major: Mechanical Engineering (ME) under Degree: Bachelor of Science in Mechanical Engineering (BSME), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5318)	
	Major: Chip-Scale Integration (CPI) under Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5984)	
	Major: Computer Engineering (CPE) under Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5979)	
	Major: Controls, Robotics & Autonomy (CRA) under Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5983)	
	Major: Machine Learning (MCHL) under Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5982)	
	Major: Networking & Cybersecurity (NWCS) under Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5981)	
	Major: Software Systems (SFTW) under Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5980)	
	Major: Communications & Networking (CMNW) under Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5978)	
	Major: Controls, Robotics & Autonomy (ECRA) under Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5977)	
	Major: Electrical Engineering (EE) under Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5971)	
	Major: Energy & Power Electronics Systems (ERES) under Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5976)	
	Major: Micro/Nano Systems (MNSY) under Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5975)	
	Major: Photonics (PHTN) under Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5974)	

	Major: Radio Frequency & Microwave (RFMW) under Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5973)			
	Major: Space Systems (SPCS) under Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5972)			
	Total Revised Majors		25	
Revised Major Options				
	Major Concentration/Option: Biomechanics (BMCH) under Degree: Bachelor of Science in Engineering Science and Mechanics (BSESM), Major: Engineering Science and Mechanics (ESM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5670)			
	Major Concentration/Option: Engineering Physics (EP) under Degree: Bachelor of Science in Engineering Science and Mechanics (BSESM), Major: Engineering Science and Mechanics (ESM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5672)			
	Major Concentration/Option: Nuclear Materials (NUCM) under Degree: Bachelor of Science in Material Science and Engineering (BSMSE), Major: Material Science and Engineering (MSE), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5673)			
	Total Revised Major Options		3	
	Total College of Engineering Governance Actions		89	

College of Liberal Arts & Human Sciences

Courses

New

	CHN 3124 Chinese for Oral Proficiency (CM-5342)			
	CMST 4214 Web Content Management Strategies (CM-5450)			
	CMST 4284 Communication for Training and Development (CM-5613)			
	EDCI 1004 Professional Dispositions in Elementary Education (CM-5456)			
	EDCI 2004 Discovering the Elementary Classroom: Field Studies in Pre-Education (CM-5438)			
	EDCI 2574 Social Foundations of Education (CM-5439)			
	EDCI 3074 Elementary Curriculum: Methods in Teaching (CM-5441)			
	EDCI 3234 Foundations of Reading Instruction (PK-6) (CM-5404)			
	EDCI 3244 Curriculum & Instruction in Elementary Mathematics, PK-3 (CM-5423)			
	EDCI 3254 Elementary Methods in Science (CM-5612)			
	EDCI 3334 Teaching Language Arts in the Elementary Classroom (CM-5405)			
	EDCI 3464 Elementary Social Studies Teaching Methods (CM-5406)			
	EDCI 3474 Assessment & Diagnosis in Elementary Mathematics Classroom (CM-5422)			
	EDCI 4074 Culturally Responsive Teaching in the Elementary Classroom (CM-5446)			
	EDCI 4554 Educating Exceptional Learners (CM-5408)			
	EDCI 4724 Secondary School Teaching Methods I (CM-5447)			
	EDCI 4734 Adolescent Literacy and Reading (CM-5409)			
	EDCI 4744 Secondary School Teaching Methods II (CM-5410)			
	EDCT 2604 Introduction to Career and Technical Education (CM-5448)			
	EDCT 4634 Student Assessment in Career and Technical Education (CM-5411)			
	EDEP 2374 Educational Psychology for PK-12 Teachers (CM-5412)			
	EDEP 3474 Principles and Practices in PK-12 Assessment (CM-5413)			
	FMD 3034 Historic Costume & Textile Collection Management (CM-5589)			
	JMC 3184 Media Weather Reporting (CM-5451)			
	JMC 3284 Data Journalism (CM-5614)			
	JMC 4814 Digital Newsroom: Online (CM-5617)			
	JMC 4824 Digital Newsroom: Broadcast (CM-5616)			
	JMC 4834 Sportscenter (CM-5615)			
	PM 2684 Marketing and Leasing Residential Properties (CM-6024)			

	PM 3674 Property Management Operations (CM-5716)		
		Total New Courses	**30**
Revised			
	PM 2664 Introduction to Property Management (CM-6021)		
	PM 3634 Managing Affordable and Specialized Housing (CM-6045)		
		Total Revised Courses	**2**
Discontinued			
	JMC 4154 Digital Newsroom (CM-5616)		
	PM 2674 Multifamily Property Management and Operations (CM-5716)		
		Total Discontinued Courses	**2**
Discontinued (273)			
	ENGL 3224 Literature of the Enlightenment		
	HIST 3744 Social History of Film		
	WGS 2274 Women in the Military		
		Total Discontinued (273) Courses	**3**
Checksheets			
New Majors			
	Establishment of New Major: Arabic (ARBC) under Degree: Bachelor of Arts in Foreign Languages (BAFL), effective for students graduating in calendar year 2022, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5337)		
		Total New Majors	**1**
Revised Majors			
	Major: Spanish (SPAN) under Degree: Bachelor of Arts in Foreign Languages (BAFL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5269)		
	Major: Russian (RUS) under Degree: Bachelor of Arts in Foreign Languages (BAFL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5340)		
	Major: Classical Studies (CLA) under Degree: Bachelor of Arts in Foreign Languages (BAFL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5338)		
	Major: German (GER) under Degree: Bachelor of Arts in Foreign Languages (BAFL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5339)		
	Major: Public Relations (PR) under Degree: Bachelor of Arts in Communication (BACOM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5457)		
	Major: Communication Science and Social Inquiry (CSSI) under Degree: Bachelor of Arts in Communication (BACOM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5609)		
	Major: Consumer Studies (CONS) under Degree: Bachelor of Science in Apparel, Housing, and Resource Management (BSARM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5618)		
	Major: Residential Environments and Design (RED) under Degree: Bachelor of Science in Apparel, Housing, and Resource Management (BSARM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5634)		
	Major: Family and Consumer Science (FSC) under Degree: Bachelor of Science in Apparel, Housing, and Resource Management (BSARM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5714)		
	Major: Political Science (PSCI) under Degree: Bachelor of Arts (BA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5712)		
	Major: Multimedia Journalism (MJ) under Degree: Bachelor of Arts in Communication (BACOM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5610)		
	Major: Sports Media and Analytics (SMA) under Degree: Bachelor of Arts in Communication (BACOM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5611)		
	Major: Fashion Merchandising and Design (FMD) under Degree: Bachelor of Science in Apparel, Housing, and Resource Management (BSARM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5588)		

	Major: French (FR) under Degree: Bachelor of Arts in Foreign Languages (BAFL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5268)	
	Major: Creative Writing (CW) under Bachelor of Arts in English (BSENG), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5649)	
	Major: Professional and Technical Writing (PTW) under Bachelor of Arts in English (BAENG), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5652)	
	Major: Property Management (PM) under Bachelor of Science in Apparel, Housing, and Resource Management (BSARM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5715)	
	Major: International Public Policy (IPPL) under Bachelor of Arts in International Studies (BAIS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5951)	
	Major: International Relations (IREL) under Bachelor of Arts in International Studies (BAIS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5952)	
	Major: International Studies (IS) under Bachelor of Arts in International Studies (BAIS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5953)	
	Major: National Security & Foreign Policy (NSFA) under Bachelor of Arts in International Studies (BAIS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5954)	
	Major: Childhood Pre-Education (CPED) under Bachelor of Science in Human Development (BSHD), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5955)	
	Major: Human Development (HD) under Bachelor of Science in Human Development (BSHD), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5986)	
	Total Revised Majors	**23**
Revised Major Options		
	Major Concentration/Option: Literature (LIT) under Bachelor of Arts in English (BAENG), Major: English (ENGL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5653)	
	Major Concentration/Option: Pre-Education (PEDU) under Bachelor of Arts in English (BAENG), Major: English (ENGL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5650)	
	Major Concentration/Option: Pre-Law (PLAW) under Bachelor of Arts in English (BAENG), Major: English (ENGL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5651)	
	Major Concentration/Option: Pre-Medical Professions (PHMD) under Bachelor of Arts in Philosophy (BAPHI), Major: Philosophy (PHIL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5949)	
	Major Concentration/Option: Legal Studies (LS) under Degree: Bachelor of Arts (BA), Major: Political Science (PSCI), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5711)	
	Major Concentration/Option: National Security Studies (NSEC) under Degree: Bachelor of Arts (BA), Major: Political Science (PSCI), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5713)	
	Major Concentration/Option: Political Theory (POLT) under Degree: Bachelor of Arts (BA), Major: Political Science (PSCI), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5710)	
	Total Revised Major Options	**7**
	Total College of Liberal Arts & Human Sciences Governance Actions	**68**

College of Natural Resources and Environment

Courses

New

	FREC 4044 Environmental Informatics Capstone (CM-5796)	
	SBIO 1014 Introduction to Packaging Systems and Design (CM-5332)	
	SBIO 2214 Design Fundamentals for Packaging (CM-5334)	
	SBIO 3104 Packaging Design Applications (CM-5335)	
	SBIO 3264 Packaging Supply Chain (CM-5333)	

		SBIO 3524 Manufacture of Sustainable Biomaterials for Structures (CM-5331)	
		Total New Courses	**6**
Revised			
		SBIO 3314 Mechanics of Sustainable Biomaterials and Packaging (CM-5180)	
		SBIO 4714 Performance of Sustainable Biomaterials in Buildings (CM-5330)	
		Total Revised Courses	**2**
Discontinued			
		SBIO 3534 Lumber Manufacturing and Drying (CM-5331)	
		SBIO 3634 Wood Products Manufacturing (CM-5331)	
		SBIO 4715, 4716 Wood House (CM-5330)	
		Total Discontinued Courses	**3**
Discontinued (273)			
		NR 1114 Introduction to Renewable Natural Resources	
		Total Discontinued (273) Courses	**1**
Checksheets			
Revised Majors			
		Major: Environmental Conservation & Society (ECS) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation & Society (BSFRC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5699)	
		Major: Environmental Informatics (EI) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5700)	
		Major: Environmental Recourse Management (ERM) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5701)	
		Major: Forestry (FORS) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation (BSFRC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5702)	
		Major: Wildlife Conservation (WLC) under Degree: Bachelor of Science in Fish and Wildlife Conservation (BSFWC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5704)	
		Major: Packaging Systems and Design (PSD) under Degree: Bachelor of Science in Packaging Systems and Design (BSPSD), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5577)	
		Major: Sustainable Biomaterials (SBIO) under Degree: Bachelor of Science in Sustainable Biomaterials (BSSB), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5590)	
		Major: Water: Resources, Policy, and Management (WRPM) under Degree: Bachelor of Science in Water: Resources, Policy, and Management (BSWTR), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5703)	
		Total Revised Majors	**8**
New Major Options			
		Establishment of New Major Concentration/Option: Human Dimensions (FCHD) under Degree: Bachelor of Science in Fish and Wildlife Conservation (BSFWC), Major: Fish Conservation (FISC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021, first term and year to enroll: Summer 2020, first term and year to graduate: Winter 2022 (CM-5708)	
		Establishment of New Major Concentration/Option: Human Dimensions (WLHD) under Degree: Bachelor of Science in Fish and Wildlife Conservation (BSFWC), Major: Wildlife Conservation (WLC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021, first term and year to enroll: Summer 2020, first term and year to graduate: Winter 2022 (CM-5707)	
		Total New Major Options	**2**
Revised Major Options			
		Major Concentration/Option: Freshwater Fisheries Conservation (FFC) under Degree: Bachelor of Science in Fish and Wildlife Conservation (BSFWC), Major: Fish Conservation (FISC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5705)	
		Major Concentration/Option: Marine Fisheries Conservation (MFC) under Degree: Bachelor of Science in Fish and Wildlife Conservation (BSFWC), Major: Fish Conservation (FISC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5706)	
		Total Revised Major Options	**2**

Discontinued Major Options		
	Discontinue Major Concentration/Option: Forest Operations and Business (FOB) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation & Society (BSFRC), Major: Forestry (FORS), last term and year to graduate: Fall 2021 (CM-5702)	
	Discontinue Major Concentration/Option: Forest Resource Management (FRM) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation & Society (BSFRC), Major: Forestry (FORS), last term and year to graduate: Fall 2021 (CM-5702)	
	Discontinue Major Concentration/Option: Urban Forestry (UFOR) under Degree: Bachelor of Science in Forest Resources and Environmental Conservation & Society (BSFRC), Major: Forestry (FORS), last term and year to graduate: Fall 2021 (CM-5702)	
Total Discontinued Major Options		**3**
Revised Minors		
	Minor: Forestry (FORS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5749)	
	Minor: Sustainable Biomaterials (SBIO), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5576)	
Total Revised Minors		**2**
Discontinued Minors		
	With approval of new minor name "Sustainable Biomaterials (SBIO)," discontinue minor name "Wood Science and Forest Products (WOOD)," last term and year to graduate Fall 2021 (CM-5576)	
Total Discontinued Minors		**1**
Total College of Natural Resources and Environment Governance Actions		**30**
College of Science		
Courses		
New		
	ECON 3144 Economics of Regulation (CM-5414)	
	GEOS 3044 Geosciences Outreach (CM-5424)	
	GEOS 3634 Natural History Collections and Curation (CM-5425)	
	GEOS 3644 Paleontological Laboratory Techniques (CM-5426)	
	GEOS 4244 Morphology of the Vertebrates (CM-5308)	
	GEOS 4254 Integrative Earth System History (CM-5384)	
	GEOS 4264 Sedimentary Basins (CM-5385)	
	GEOS 4824 Engineering Geology (CM-5388)	
	NANO 2324 Quantum Physics for Nanomedicine (CM-5415)	
	NANO 4324 Introduction to Nanomedicine (CM-5416)	
	NANO 4334 Advanced Nanomedicine (CM-5417)	
	NANO 4354 Advanced Nanomedicine Laboratory (CM-5419)	
	NEUR 3594 Neurobiology of Psychiatric Disorders (CM-5555)	
Total New Courses		**13**
Revised		
	GEOS 3024 Computational Methods in the Geosciences (CM-5428)	
	MATH 3034 Introduction to Proofs (CM-5260)	
	MATH 3124 Modern Algebra (CM-5261)	
	NEUR 4514 Neuroimmunology in Health and Disease (CM-5429)	
Total Revised Courses		**4**
Discontinued (273)		
	BIOL 1125 Biological Principles Lab	
	BIOL 1126 Biological Principles Lab	
	BIOL 2604H Honors General Microbiology	
	ECON 2026H Honors Principles of Economics	
Total Discontinued (273) Courses		**4**
Checksheets		

New Degrees		
	Establishment of New Degree: Bachelor of Science in Behavioral Decision Science (BSBDS), Major: Behavioral Decision Science (BDS), effective for students graduating in calendar year 2021, first term and year to enroll: Fall 2020, first term and year to graduate: Spring 2021 (CM-5505)	
	Total New Degrees	1
New Majors		
	Establishment of New Major Concentration/Option: Cryptography and Cybersecurity (CMDC) under Degree: Bachelor of Science in Computational Modeling and Data Analytics (BSCMD), Major: Computational Modeling and Data Analytics (CMDA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5675)	
	Establishment of New Major Concentration/Option: Environmental and Engineering Geoscience (EEG) under Degree: Bachelor of Science (BS), Major: Geosciences (GEOS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021, first term and year to enroll: Summer 2020, first term and year to graduate: Winter 2022 (CM-5583)	
	Establishment of New Major Concentration/Option: Geobiology & Paleobiology (GEOB) under Degree: Bachelor of Science (BS), Major: Geosciences (GEOS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021, first term and year to enroll: Summer 2020, first term and year to graduate: Winter 2022 (CM-5584)	
	Total New Majors	3
Revised Majors		
	Major: Biochemistry (BIOC) under Degree: Bachelor of Science (BS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5987)	
	Major: Biological Sciences (BIOL) under Degree: Bachelor of Science (BS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5686)	
	Major: Chemistry (CHEM) under Degree: Bachelor of Arts in Chemistry (BACHM), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5474)	
	Major: Computational Modeling and Data Analytics (CMDA) under Degree: Bachelor of Science in Computational Modeling and Data Analytics (BSCMD), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5477)	
	Major: Economics (ECAS) under Degree: Bachelor of Arts (BA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5718)	
	Major: Microbiology (MICB) under Degree: Bachelor of Science in Microbiology (BSMIC), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5690)	
	Major: Nanomedicine (NMED) under Degree: Bachelor of Science in Nanoscience (BSNAN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5683)	
	Major: Nanoscience (NANO) under Degree: Bachelor of Science in Nanoscience (BSNAN), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5684)	
	Major: Physics (PHYS) under Degree: Bachelor of Arts (BA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5593)	
	Major: Physics (PHYS) under Degree: Bachelor of Science (BS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5598)	
	Major: Psychology (PSYC) under Degree: Bachelor of Science (BS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5717)	
	Major: Statistics (STAT) under Degree: Bachelor of Science (BS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5722)	
	Major: Mathematics (MATH) under Degree: Bachelor of Science (BS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5679)	
	Major: Systems Biology (SYSB) under Degree: Bachelor of Science in Systems Biology (BSSYS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5682)	
	Total Revised Majors	14
Revised Major Options		

	Major Concentration/Option: Biological Sciences (CMDB) under Degree: Bachelor of Science in Computational Modeling and Data Analytics (BSCMD), Major: Computational Modeling and Data Analytics (CMDA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5478)	
	Major Concentration/Option: Economics (CMDE) under Degree: Bachelor of Science in Computational Modeling and Data Analytics (BSCMD), Major: Computational Modeling and Data Analytics (CMDA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5479)	
	Major Concentration/Option: Physics (CMDP) under Degree: Bachelor of Science in Computational Modeling and Data Analytics (BSCMD), Major: Computational Modeling and Data Analytics (CMDA), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5480)	
	Major Concentration/Option: Physics Education (PHYE) under Degree: Bachelor of Arts (BA), Major: Physics (PHYS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5594)	
	Major Concentration/Option: Pre-Health (PREH) under Degree: Bachelor of Arts (BA), Major: Physics (PHYS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5595)	
	Major Concentration/Option: Pre-Law (PRLW) under Degree: Bachelor of Arts (BA), Major: Physics (PHYS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5597)	
	Major Concentration/Option: Mathematics Education (MSTR) under Degree: Bachelor of Science (BS), Major: Mathematics (MATH), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5680)	
	Major Concentration/Option: Applied Computational Mathematics (ACM) under Degree: Bachelor of Science (BS), Major: Mathematics (MATH), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5681)	
	Major Concentration/Option: Applied Discrete Mathematics (ADM) under Degree: Bachelor of Science (BS), Major: Mathematics (MATH), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5723)	
	Major Concentration/Option: Biology Education (BSED) under Degree: Bachelor of Science (BS), Major: Biological Sciences (BIOL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5687)	
	Major Concentration/Option: Biomedical (BIOM) under Degree: Bachelor of Science (BS), Major: Biological Sciences (BIOL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5685)	
	Major Concentration/Option: Ecology, Evolution, and Behavior (EEB) under Degree: Bachelor of Science (BS), Major: Biological Sciences (BIOL), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5688)	
	Major Concentration/Option: Earth Science Education (ESED) under Degree: Bachelor of Science (BS), Major: Geosciences (GEOS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5579)	
	Major Concentration/Option: Geochemistry (GCHE) under Degree: Bachelor of Science (BS), Major: Geosciences (GEOS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5581)	
	Major Concentration/Option: Geology (GEOL) under Degree: Bachelor of Science (BS), Major: Geosciences (GEOS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5580)	
	Major Concentration/Option: Geophysics (GEOP) under Degree: Bachelor of Science (BS), Major: Geosciences (GEOS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5582)	
	Major Concentration/Option: Business (ECNB) under Degree: Bachelor of Arts (BA), Major: Economics (ECAS), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5719)	
Total Revised Major Options		**17**
Total College of Science Governance Actions		**56**
Virginia-Maryland Regional College of Veterinary Medicine		
Total Virginia-Maryland College of Veterinary Medicine Governance Actions		**0**
Honors College		
Courses		
New		
	UH 3604 Designing Protocols for Honors Quantitative and Qualitative Research (CM-5401)	
	UH 3614 Data Collection & Analysis for Honors Quantitative & Qualitative Research (CM-5402)	

		Total New Courses	**2**
	Revised		
		UH 1604 Introduction to Honors Quantitative and Qualitative Research Practices (CM-5399)	
		UH 2604 Intermediate Honors Quantitative and Qualitative Research Practices (CM-5400)	
	2	**Total Revised Courses**	**2**
	4	**Total Honors College Governance Actions**	**4**

Summary of Undergraduate Governance Actions

		Courses	
		New	**103**
	30	**Revised**	
		Discontinued (Upon Approval of New Course)	**19**
		Discontinued (PPM No. 273, Policy on Untaught (>5 years) Courses from Undergraduate Catalog	**12**
		Tabled	**1**
	165	**Subtotal Courses**	**165**
		Checksheets	
		New Degrees	**1**
		New Majors	**15**
		Revised Majors	**83**
		Discontinued Majors	**1**
		Tabled Majors	**0**
		New Major Options	**4**
		Revised Major Options	**67**
		Discontinued Major Options	**9**
		New Minors	**2**
		Revised Minors	**4**
		Discontinued Minors	**2**
	188	**Subtotal Checksheets**	**188**
	353	**Total Undergraduate Governance Actions**	**353**