Present: Mary Kasarda (Chair); Jay Burkette (CLAHS); Kris Bush (Enrollment Services); Bill Galloway (CAUS); Art Keown (UCCGE); Monica Ponder (CALS); Kerry Redican (VMCVM); Rachel Saville (Staff Senate); Joe Sirgy (PCOB)

Absent with notification: Paul Deck (COS); Aaron Goldstein (COE); Bruce Hull (CNRE)

Absent without notification: Sydney Thorpe (SGA)

Visitors: Nicole Akers; Gary Costello; Megan Coulter; Jaime De La Ree (ECE); Patti Fisher (AHRM/CONS); Susan Hagen (MATH); Ralph Hall (SPIA/UAP); Luke Lester (ECE); Rich Walker (BIOL); Mark Williams (HORT); Eric Wiseman (FREC)

The meeting was called to order at **2:00 PM** by Mary Kasarda, Chair.

A motion to adopt the agenda as amended (adjustment in order of items to accommodate presenters) was made, seconded, and approved.

Announcement of approval of minutes: January 26, 2018 – Minutes voted on electronically.

OLD BUSINESS

Pamplin College of Business

Course: FIN 3254 Credit Risk Analysis (New) Fall 2018 (CM-3901)

Motion was made and seconded to **APPROVE** FIN 3254 Credit Risk Analysis (New) Fall 2018 (CM-3901), **with modifications:**
- Consider adding more detail to the catalog description.
- Learning Objectives:
  - Consider separating the first learning objective into two learning objectives.
  - Consider replacing the word "recognize" with a higher order measurable action verb in the 4th learning objective.
- Justification: Consider rewording the sentence that begins with "The perspective of a creditor differs…" in the second paragraph.

Motion passed unanimously.

New Option

Option: Establishment of New Option: Real Estate Finance (RELF) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), effective for

students graduating in calendar year 2019, first effective date to declare option: Spring 2018, first effective date to graduate: Winter 2019 (CM-3836).

Motion was made and seconded to **APPROVE** the Establishment of New Option: Real Estate Finance (RELF) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), effective for students graduating in calendar year 2019, first effective date to declare option: Spring 2018, first effective date to graduate: Winter 2019 (CM-3836).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), Option: Real Estate Finance (RELF) (New); effective for students graduating in calendar year 2019 (CM-3836).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN), Option: Real Estate Finance (RELF) (New); effective for students graduating in calendar year 2019 (CM-3836), **with no modifications**.

Motion passed unanimously.

Discontinue Option

Checksheet: Discontinue Option: Information Systems (ISO) under Degree: Bachelor of Science in Business (BSBUS), Major: Accounting and Information Systems (ACIS), last term and year to graduate: Fall 2020 (CM-3939).

Motion was made and seconded to **APPROVE** the Discontinuation of Option: Information Systems (ISO) under Degree: Bachelor of Science in Business (BSBUS), Major: Accounting and Information Systems (ACIS), last term and year to graduate: Fall 2020 (CM-3939).

Motion passed unanimously.

College of Science

Course: PHYS 4254 Quantum Information Technologies (New) Fall 2018 (CM-3849)

Motion was made and seconded to **APPROVE** PHYS 4254 Quantum Information Technologies (New) Fall 2018 (CM-3849), **with modification:**
- Seeking clarification if the wording in the 4th learning objective is what is intended and consider rewording, as applicable, for clarity, if needed.

Motion passed unanimously.

Course: MATH 1614 Numbers and Operations for Teachers (Revised) Fall 2018 (CM-3929)

Motion was made and seconded to **APPROVE** MATH 1614 Numbers and Operations for Teachers (Revised) Fall 2018 (CM-3929), **with modifications:**
- Consider amending course description to improve continuity and alignment between catalog description, learning objectives, and syllabus. For example, consider adding wording from the 6th and 7th Syllabus items in the catalog description.
- Justification: Replace the word "courses" with "course" in the 2nd paragraph.
- Texts and Special Teaching Aids:
    o Registrar Note: Please remove pre-loaded instructions which begin with "Please identify specific examples…"
    o Please list required text title in all capital letters or italics consistent with MLA or APA standardized format, as applicable.
- Topic Syllabus:
    o Remove ",…" from the 2nd syllabus item.
    o Consider adding "and simulations" to the 7th syllabus item.

Motion passed unanimously.

Course: MATH 1624 Geometry for Teachers (Revised) Fall 2018 (CM-3930)

Motion was made and seconded to **APPROVE** MATH 1624 Geometry for Teachers (Revised) Fall 2018 (CM-3930), **with modifications:**
- Learning Objectives:
    o Consider replacing "modeling" with "modeling and reasoning" in the 6th learning objective.
    o Consider replacing the word "figures" with "objects" in the 8th learning objective.
    o Correct spelling of word "similarity" in the 9th learning objective.
- Justification: Replace the word "courses" with "course" in the 2nd paragraph.
- Texts and Special Teaching Aids:
    o Registrar Note: Please remove pre-loaded instructions which begin with "Please identify specific examples…"
    o Please list required text title in all capital letters or italics consistent with MLA or APA standardized format, as applicable.

Motion passed unanimously.

Course: NEUR 3844 Computational Neuroscience and Neural Engineering (New) Fall 2018 (CM-3937)

Motion was made and seconded to **APPROVE** NEUR 3844 Computational Neuroscience and Neural Engineering (New) Fall 2018 (CM-3937), **with modifications:**

- Registrar Note: Please include signed copy of Coversheet.
- Justification: Please add a summary justification statement for the prerequisite requirements in level justification.
- Texts and Special Teaching Aids: Please list text titles in all capital letters or italics consistent with MLA or APA standardized format, as applicable.

Motion passed unanimously.

College of Natural Resources and Environment

Rename Minor

Checksheet: Minor: Urban and Community Forestry (UACF) (Revised), effective for students graduating in calendar year 2020, first effective date to graduate: Winter 2020 (CM-3858).

With approval of new minor name, "Urban and Community Forestry (UACF)," discontinue minor name, "Urban Forestry (URBF)," last term and year to graduate: Fall 2019 (CM-3858).

Motion was made and seconded to **APPROVE** the Rename of Minor to: Urban and Community Forestry (UACF) (Revised), effective for students graduating in calendar year 2020, first effective date to graduate: Winter 2020 (CM-3858), **with no modifications**.

Motion passed unanimously.

Revised Minor

Checksheet: Minor: Natural Resource Recreation (NRR) (Revised), effective for students graduating in calendar year 2020 (CM-3859).

Motion was made and seconded to **APPROVE** the Revision of Minor: Natural Resource Recreation (NRR) (Revised), effective for students graduating in calendar year 2020 (CM-3859), **with no modifications**.

Motion passed unanimously.

College of Architecture and Urban Studies

Course: SPIA 4454 Future of Cities (New) Fall 2018 (CM-3815)

Motion was made and seconded to **APPROVE** SPIA 4454 Future of Cities (New) Fall 2018 (CM-3815), **with modification:**
- Consider expanding the catalog description with scenarios and content information from the 3rd learning objective to improve consistency and alignment.

Motion passed unanimously.

Revised Minor

Checksheet: Minor: Environmental Policy and Planning (EPP) (Revised), effective for students graduating in calendar year 2020 (CM-3879).

Motion was made and seconded to **APPROVE** revised Minor: Environmental Policy and Planning (EPP) (Revised), effective for students graduating in calendar year 2020 (CM-3879), **with no modifications:**

Motion passed unanimously.

New Major

Major: Establishment of New Major: Environmental Policy and Planning (EPP) under Degree: Bachelor of Arts in Public and Urban Affairs (BAPUA), effective for students graduating in calendar year 2020, first term to declare major: Fall 2018, first term and year to graduate: Winter 2020 (CM-3881).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Environmental Policy and Planning (EPP) under Degree: Bachelor of Arts in Public and Urban Affairs (BAPUA), effective for students graduating in calendar year 2020, first term to declare major: Fall 2018, first term and year to graduate: Winter 2020 (CM-3881).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Arts in Public and Urban Affairs (BAPUA), Major: Environmental Policy and Planning (EPP), effective for students graduating in calendar year 2020 (CM-3881).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Arts in Public and Urban Affairs (BAPUA), Major: Environmental Policy and Planning (EPP), effective for students graduating in calendar year 2020 (CM-3881), **with no modifications**.

Motion passed unanimously.

<u>Discontinue Degree</u>

Degree: With approval of new Major: Environmental Policy and Planning (EPP) under Degree: Bachelor of Arts in Public and Urban Affairs (BAPUA), discontinue Degree: Bachelor of Science (BS), Major: Environmental Policy and Planning (EPP), last term and year to graduate: Fall 2021 (CM-3881).

Motion was made and seconded to **APPROVE** the Discontinuation of Degree: Bachelor of Science (BS), Major: Environmental Policy and Planning (EPP), last term and year to graduate: Fall 2021 (CM-3881).

Motion passed unanimously.

College of Science

Course: BIOL 3804 Principles of Biology Teaching Assistant (New) Fall 2018 (CM-3963)

Motion was made and seconded to **APPROVE** BIOL 3804 Principles of Biology Teaching Assistant (New) Fall 2018 (CM-3963), **with modifications:**
- Consider adding a few key words from the Justification regarding the real-world classroom setting and engagement in the teaching process. For example, consider inserting a second sentence into the catalog description as follows: "Student will be trained in the content and practice of active-learning pedagogies."
- Consider adding specific module topics in the Topic Syllabus and include parenthetical format such as "(as applicable to 1105)" and "(as applicable to 1106)" after each one.

Motion passed unanimously.

College of Agriculture and Life Sciences

Course: HORT 4064 Soil Microbiology (New) Fall 2018 (CM-3970)

Motion was made and seconded to **APPROVE** HORT 4064 Soil Microbiology (New) Fall 2018 (CM-3970), **with modifications:**

- Consider replacing "Environmental controls" with "Environmental controls and variation" in the 2nd sentence of the catalog description.
- Remove the **"** in the Required Text citation.

Motion passed unanimously.

Course: DASC 1464 Dairy Cattle Handling (New) Fall 2018 (CM-3980)

Motion was made and seconded to **APPROVE** DASC 1464 Dairy Cattle Handling (New) Fall 2018 (CM-3980), **with modifications:**
- Consider the following edits to the catalog description:
  - Consider deleting "taught through" in the course description to remove mention of pedagogy.
  - Consider making "Experiential activities" a stand-alone phrase describing an important aspect of the class, such as: "Safety in dairy cattle handling; animal behavior; care, housing, and managerial practices related to dairy cattle. Experiential activities. Herding, sorting, halter training, health scoring, and milking."
- Texts and Special Teaching Aids: Please list text titles in all capital letters or italics consistent with MLA or APA standardized format, as applicable.

Motion passed unanimously.

College of Liberal Arts and Human Sciences

Course: CONS 4304 Advanced Consumer and Family Finances (New) Spring 2019 (CM-3979)

Motion was made and seconded to **APPROVE** CONS 4304 Advanced Consumer and Family Finances (New) Spring 2019 (CM-3979), **with modifications:**
- Catalog Description:
  - Consider replacing the word "Analysis" with "Comparison of" in the 2nd sentence.
  - Add "Senior standing" in the Prerequisite portion of the catalog description.
- Consider replacing "Identify and discuss" with "Analyze or compare" or other higher order measurable action verbs in the 3rd learning objective.
- Justification:
  - Remove the 3rd sentence in the first paragraph. (Sentence beginning with "The ability to compare and analyze employee benefits…"
  - Add the phrase "to advise clients" to the end of the 3rd sentence in the second paragraph. Sentence will read "This is important for students who enter careers in the consumer and financial services industry to advise clients."

- o Consider tightening up the language and removing information repeated multiple times throughout the Justification section, generally.
- o Add information about the senior standing prerequisite requirement.
- o For greater flexibility, consider removing the last sentence of the fifth paragraph (sentence beginning with "CONS 2304 is offered Fall and Spring semesters, and…").
- Texts and Special Teaching Aids: Please list text title in all capital letters or italics consistent with MLA or APA standardized format, as applicable.

Motion passed unanimously.

College of Engineering

Revised Major

Checksheet: Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Computer Engineering (CPE) (Revised), effective for students graduating in calendar year 2020 (CM-3987).

Motion was made and seconded to **APPROVE** the Revision of Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Computer Engineering (CPE) (Revised), effective for students graduating in calendar year 2020 (CM-3987), **with modifications:**
- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Coversheet: Correct to reflect Revision > 20%
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Change "131-132" to "131" for the minimum total in the Curriculum for Liberal Education (CLE) section.
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

Revised Major

Checksheet: Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Electrical Engineering (EE) (Revised), effective for students graduating in calendar year 2020 (CM-3988).

Motion was made and seconded to **APPROVE** the Revision of Degree: Bachelor of Science in Electrical Engineering (EE) (Revised), effective for students graduating in calendar year 2020 (CM-3988), **with modifications:**

- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Coversheet: Correct to reflect Revision **>** 20%
- Add checksheet color code information to the "General Information about Checksheet" where other superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<u>New Major</u>

Major: Establishment of New Major: Chip-Scale Integration (CPI) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3989).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Chip-Scale Integration (CPI) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3989)**.**

Checksheet: Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Chip-Scale Integration (CPI) (New), effective for students graduating in calendar year 2020 (CM-3989).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Chip-Scale Integration (CPI) (New), effective for students graduating in calendar year 2020 (CM-3989), **with modifications:**

- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).

- Change "131-132" to "131" for the minimum total in the Curriculum for Liberal Education (CLE) section.
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<u>New Major</u>

Major: Establishment of New Major: Controls, Robotics & Autonomy (CRA) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3990).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Controls, Robotics & Autonomy (CRA) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3990).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Computer Engineering (BSCPE), Controls, Robotics & Autonomy (CRA) (New), effective for students graduating in calendar year 2020 (CM-3990).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Controls, Robotics & Autonomy (CRA) (New), effective for students graduating in calendar year 2020 (CM-3990), **with modifications:**
- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Change "131-132" to "131" for the minimum total in the Curriculum for Liberal Education (CLE) section.
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major

Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<u>New Major</u>

Major: Establishment of New Major: Machine Learning (MCHL) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3991).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Machine Learning (MCHL) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3991).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Machine Learning (MCHL) (New), effective for students graduating in calendar year 2020 (CM-3991).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Machine Learning (MCHL) (New), effective for students graduating in calendar year 2020 (CM-3991), **with modifications:**
- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Change "131-132" to "131" for the minimum total in the Curriculum for Liberal Education (CLE) section.
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<div align="center">New Major</div>

Major: Establishment of New Major: Networking & Cybersecurity (NWCS) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3992).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Networking & Cybersecurity (NWCS) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3992).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Networking & Cybersecurity (NWCS) (New), effective for students graduating in calendar year 2020 (CM-3992).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Networking & Cybersecurity (NWCS) (New), effective for students graduating in calendar year 2020 (CM-3992), **with modifications:**
- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Change "131-132" to "131" for the minimum total in the Curriculum for Liberal Education (CLE) section.
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<div align="center">New Major</div>

Major: Establishment of New Major: Software Systems (SFTW) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3993).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Software Systems (SFTW) under Degree: Bachelor of Science in Computer Engineering (BSCPE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3993).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Software Systems (SFTW) (New), effective for students graduating in calendar year 2020 (CM-3993).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Computer Engineering (BSCPE), Major: Software Systems (SFTW) (New), effective for students graduating in calendar year 2020 (CM-3993), **with modifications:**

- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Junior 2018 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Change "131-132" to "131" for the minimum total in the Curriculum for Liberal Education (CLE) section.
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<u>New Major</u>

Major: Establishment of New Major: Communications & Networking (CMNW) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3994).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Communications & Networking (CMNW) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year

2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3994).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Communications & Networking (CMNW) (New), effective for students graduating in calendar year 2020 (CM-3994).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Communications & Networking (CMNW) (New), effective for students graduating in calendar year 2020 (CM-3994), **with modifications:**
- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

New Major

Major: Establishment of New Major: Controls, Robotics & Autonomy (ECRA) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3995).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Controls, Robotics & Autonomy (ECRA) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3995).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Controls, Robotics & Autonomy (ECRA) (New), effective for students graduating in calendar year 2020 (CM-3995).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Controls, Robotics & Autonomy (ECRA) (New), effective for students graduating in calendar year 2020 (CM-3995), **with modifications:**

- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<u>New Major</u>

Major: Establishment of New Major: Energy & Power Electronics Systems (ERES) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3996).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Energy & Power Electronics Systems (ERES) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3996).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Energy & Power Electronics Systems (ERES) (New), effective for students graduating in calendar year 2020 (CM-3996).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Energy & Power Electronics Systems (ERES) (New), effective for students graduating in calendar year 2020 (CM-3996), **with modifications:**

- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.

- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

New Major

Major: Establishment of New Major: Micro/Nanosystems (MNSY) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3997).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Micro/Nanosystems (MNSY) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3997).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Micro/Nanosystems (MNSY) (New), effective for students graduating in calendar year 2020 (CM-3997).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Micro/Nanosystems (MNSY) (New), effective for students graduating in calendar year 2020 (CM-3997), **with modifications:**
- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major

Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<u>New Major</u>

Major: Establishment of New Major: Photonics (PHTN) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3998).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Photonics (PHTN) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3998).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Photonics (PHTN) (New), effective for students graduating in calendar year 2020 (CM-3998).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Photonics (PHTN) (New), effective for students graduating in calendar year 2020 (CM-3998), **with modifications:**
- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<p style="text-align: center"><u>New Major</u></p>

Major: Establishment of New Major: Radio Frequency & Microwave (RFMW) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3999).

Motion was made and seconded to **APPROVE** the Establishment of New Major: Radio Frequency & Microwave (RFMW) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-3999).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Radio Frequency & Microwave (RFMW) (New), effective for students graduating in calendar year 2020 (CM-3999).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Radio Frequency & Microwave (RFMW) (New), effective for students graduating in calendar year 2020 (CM-3999), **with modifications:**
- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

<p style="text-align: center"><u>New Major</u></p>

Major: Establishment of New Major: Space Systems (SPCS) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-4000).

Motion was made and seconded to **APPROVE** the Establishment of New Major:

Space Systems (SPCS) under Degree: Bachelor of Science in Electrical Engineering (BSEE), effective for students graduating in calendar year 2020, first term to declare major: Spring 2018, first term and year to graduate: Winter 2020 (CM-4000).

Motion passed unanimously.

Checksheet: Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Space Systems (SPCS) (New), effective for students graduating in calendar year 2020 (CM-4000).

Motion was made and seconded to **APPROVE** Degree: Bachelor of Science in Electrical Engineering (BSEE), Major: Space Systems (SPCS) (New), effective for students graduating in calendar year 2020 (CM-4000), **with modifications:**
- Consider obtaining a clarification letter for ENGL 3764 Technical Writing course.
- Add green color code for CLE (Area 2, 3, or 7) in the Fall Semester Freshman 2016 portion of the checksheet.
- Add checksheet color code information to the "General Information about Checksheet" where other Superscripted annotation information is listed. Highlight the words in the actual color code schema as well (to aid in visual representation for the viewer).
- Add clarifying language to differentiate between "non-major technical electives" and "non-major engineering or science course" in the Non-Major Technical Electives and Engineering and Science Elective sections respectively.

Motion passed unanimously.

A motion was made and seconded to adjourn the meeting at **3:58 PM**.

Respectfully Submitted,
Megan Coulter
Office of the University Registrar

Last Revised: 2/19/18