

**MINUTES**  
**COMMISSION ON UNDERGRADUATE STUDIES AND POLICIES**  
**March 26, 2018**  
**230 Student Services Building, 3:00 PM**

**PRESENT:** D. Stauffer; K. Albright; S. Sumner for A. Grant; T. Hammett; M. Kasarda; A. Knoblauch; C. Leeth; R. Panneton for S. Morton; C. Boone for J. Ross; J. Sible; D. Thorp; R. Willis

**ABSENT WITH NOTIFICATION:** V. Fowler; K. Redican; L. Zietsman

**ABSENT WITHOUT NOTIFICATION:** J. Billingsley; D. Clubb; G. Daniel; M. Davenport; M. Hajj; R. Holloway; K. Hosig; G. Jenkins; L. Khansa; S. Metko; A. Roche; S. Tatum; S. Ulrich; A. Zink-Sharp

**VISITORS:** N. Akers; G. Costello; M. Coulter; R. Hall

**CALL TO ORDER**

The meeting was called to order at 3:01 PM by D. Stauffer.

**ADOPTION OF THE AGENDA**

A motion was made and seconded to approve the agenda. The motion to approve the agenda passed unanimously.

**ANNOUNCEMENT OF APPROVAL AND POSTING OF MINUTES**

D. Stauffer announced the February 26, 2018 minutes were electronically approved and can be accessed via the University Registrar's website:  
[https://registrar.vt.edu/content/dam/registrar\\_vt\\_edu/documents/Updates/governance/2017-2018/feb26/minues\\_cusp\\_2\\_26\\_18.pdf](https://registrar.vt.edu/content/dam/registrar_vt_edu/documents/Updates/governance/2017-2018/feb26/minues_cusp_2_26_18.pdf)

**OLD BUSINESS:**

**Resolution 2017-18.F** *Resolution to Discontinue Bachelor of Science Degree in Environmental Policy and Planning, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.F** *Resolution to Discontinue Bachelor of Science Degree in Environmental Policy and Planning.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.F.

D. Stauffer opened the floor for discussion on Resolution 2017-18.F.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.F.

**The motion passed unanimously.**

**Resolution 2017-18.G** *Resolution to Approve New Major, Environmental Policy and Planning, in Bachelor of Arts in Public and Urban Affairs, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.G** *Resolution to New Major, Environmental Policy and Planning, in Bachelor of Arts in Public and Urban Affairs.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.G.

D. Stauffer opened the floor for discussion on Resolution 2017-18.G.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.G.

**The motion passed unanimously.**

**Resolution 2017-18.H** *Resolution to Approve New Major, Smart and Sustainable Cities, in Bachelor of Arts in Public and Urban Affairs, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.H** *Resolution to Approve New Major, Smart and Sustainable Cities, in Bachelor of Arts in Public and Urban Affairs.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.H.

D. Stauffer opened the floor for discussion on Resolution 2017-18.H.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.H.

**The motion passed unanimously.**

**Resolution 2017-18.I** *Resolution to Approve New Major, Chip-Scale Integration, in Bachelor of Science in Computer Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.I** *Resolution to Approve New Major, Chip-Scale Integration, in Bachelor of Science in Computer Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.I.

D. Stauffer opened the floor for discussion on Resolution 2017-18.I.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.I.

**The motion passed unanimously.**

**Resolution 2017-18.J** *Resolution to Approve New Major, Controls, Robotics & Autonomy, in Bachelor of Science in Computer Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.J** *Resolution to Approve New Major, Controls, Robotics & Autonomy, in Bachelor of Science in Computer Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.J.

D. Stauffer opened the floor for discussion on Resolution 2017-18.J.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.J.

**The motion passed unanimously.**

**Resolution 2017-18.K** *Resolution to Approve New Major, Machine Learning, in Bachelor of Science in Computer Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.K** *Resolution to Approve New Major, Machine Learning, in Bachelor of Science in Computer Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.K.

D. Stauffer opened the floor for discussion on Resolution 2017-18.K.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.K.

**The motion passed unanimously.**

**Resolution 2017-18.L** *Resolution to Approve New Major, Networking & Cybersecurity, in Bachelor of Science in Computer Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.L** *Resolution to Approve New Major, Networking & Cybersecurity, in Bachelor of Science in Computer Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.L.

D. Stauffer opened the floor for discussion on Resolution 2017-18.L.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.L.

**The motion passed unanimously.**

**Resolution 2017-18.M** *Resolution to Approve New Major, Software Systems, in Bachelor of Science in Computer Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.M** *Resolution to Approve New Major, Software Systems, in Bachelor of Science in Computer Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.M.

D. Stauffer opened the floor for discussion on Resolution 2017-18.M.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.M.

**The motion passed unanimously.**

**Resolution 2017-18.N** *Resolution to Approve New Major, Communications & Networking, in Bachelor of Science in Electrical Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.N** *Resolution to Approve New Major, Communications & Networking, in Bachelor of Science in Electrical Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.N.

D. Stauffer opened the floor for discussion on Resolution 2017-18.N.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.N.

**The motion passed unanimously.**

**Resolution 2017-18.O** *Resolution to Approve New Major, Controls, Robotics & Autonomy, in Bachelor of Science in Electrical Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.O** *Resolution to Approve New Major, Controls, Robotics & Autonomy, in Bachelor of Science in Electrical Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.O.

D. Stauffer opened the floor for discussion on Resolution 2017-18.O.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.O.

**The motion passed unanimously.**

**Resolution 2017-18.P** *Resolution to Approve New Major, Energy & Power Electronics Systems, in Bachelor of Science in Electrical Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.P** *Resolution to Approve New Major, Energy & Power Electronics Systems, in Bachelor of Science in Electrical Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.P.

D. Stauffer opened the floor for discussion on Resolution 2017-18.P.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.P.

**The motion passed unanimously.**

**Resolution 2017-18.Q** *Resolution to Approve New Major, Micro/Nanosystems, in Bachelor of Science in Electrical Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.Q** *Resolution to Approve New Major, Micro/Nanosystems, in Bachelor of Science in Electrical Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.Q.

D. Stauffer opened the floor for discussion on Resolution 2017-18.Q.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.Q.

**The motion passed unanimously.**

**Resolution 2017-18.R** *Resolution to Approve New Major, Photonics, in Bachelor of Science in Electrical Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.R** *Resolution to Approve New Major, Photonics, in Bachelor of Science in Electrical Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.R.

D. Stauffer opened the floor for discussion on Resolution 2017-18.R.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.R.

**The motion passed unanimously.**

**Resolution 2017-18.S** *Resolution to Approve New Major, Radio Frequency & Microwave, in Bachelor of Science in Electrical Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.S** *Resolution to Approve New Major, Radio Frequency & Microwave, in Bachelor of Science in Electrical Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.S.

D. Stauffer opened the floor for discussion on Resolution 2017-18.S.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.S.

**The motion passed unanimously.**

**Resolution 2017-18.T** *Resolution to Approve New Major, Space Systems, in Bachelor of Science in Electrical Engineering, Second Reading*

The motion was made and seconded to present for second reading Resolution **2017-18.T** *Resolution to Approve New Major, Space Systems, in Bachelor of Science in Electrical Engineering.*

D. Stauffer reported that the Faculty Senate had waived its right to review Resolution 2017-18.T.

D. Stauffer opened the floor for discussion on Resolution 2017-18.T.

Hearing no discussion, a motion was made and seconded to APPROVE Resolution 2017-18.T.

**The motion passed unanimously.**

**REPORTS AND MINUTES FROM COMMISSION COMMITTEES/SUB -COMMITTEES**

**COMMITTEE REPORTS**

**Academic Support Committee**

No Report.

**Academic Policies Committee**

No Report.

**Athletics Committee**

S. Sumner presented the minutes of the February 21, 2018 meeting of the University Athletics Committee. A motion was made and seconded to accept the minutes of the February 21, 2018 meeting of the University Athletics Committee.

**The motion passed unanimously.**

**Commencement Committee**

No Report.

**Honor Council**

No Report.

**Library Committee**

No Report.

**Undergraduate Curriculum Committee**

M. Kasarda presented the March 2, 2018 report of the Undergraduate Curriculum Committee. A motion was made and seconded to approve the March 2, 2018 report of the Undergraduate Curriculum Committee.

**The motion passed unanimously.**

**UNDERGRADUATE CURRICULUM COMMITTEE REPORT—MARCH 2, 2018**  
**FOR “FIRST AND SECOND READING”**  
**UNANIMOUS APPROVAL**

**COURSES**

**New:**

**Fall 2018**

**College of Engineering**

AOE 4324 Energy Methods for Structures (CM-4124)

AOE 4454 Spacecraft Position/Navigation/Timing and Orbit Determination (CM-4125)



AOE 4804 Special Topics in Dynamics, Control, and Estimation (CM-4129)

AOE 4824 Special Topics in Energy and the Environment (CM-4118)

CEE 4814 Risk Assessment and Reliability Analysis in Civil and Environmental Engineering (CM-3931)

**Revised:**

**Fall 2018**

**College of Engineering**

AOE 2114 Fundamentals of Flight Training AOE (CM-4122)

AOE 3054 Experimental Methods (CM-3649)

**DEGREES, MAJORS, OPTIONS, MINORS**

**Minor:**

**New:**

**Effective Graduating Calendar Year 2020**

**College of Natural Resources and Environment**

Establishment of New Minor: Geographic Information Science (GISG), effective for students graduating in calendar year 2020, first effective date to declare minor: Spring 2018, first effective date to graduate: Winter 2020 (CM-3969).

Checksheet: Minor: Geographic Information Science (GISG) (CM-3969)

**Revised:**

**Effective Graduating Calendar Year 2020**

**College of Natural Resources and Environment**

Checksheet: Minor: Geographic Information Science (GIS) (CM-3968)

## University Curriculum Committee for General Education

There was discussion regarding the possibility (and clarification of the approval process for) extending the Pathways Ad Hoc Review Committee for another year, as needed.

On behalf of L. Zietsman, M. Kasarda presented the February 28, 2018 report of the Pathways Ad Hoc Review Committee. A motion was made and seconded to approve the February 28, 2018 report of the Pathways Ad Hoc Review Committee.

**The motion passed unanimously.**

On behalf of L. Zietsman, M. Kasarda presented the March 14, 2018 report of the Pathways Ad Hoc Review Committee. A motion was made and seconded to approve the March 14, 2018 report of the Pathways Ad Hoc Review Committee.

**The motion passed unanimously.**

**PATHWAYS AD HOC REVIEW COMMITTEE REPORT—FEBRUARY 28, 2018**  
**FOR “FIRST AND SECOND READING”**  
**UNANIMOUS APPROVAL**

**COURSES**

**New:**

**CLE Fall 2018/Pathways Fall 2018**

**College of Liberal Arts and Human Sciences**

FR 3434: French Culture from Baroque to Revolution (CLE Area 2, Pathways Critical Thinking in the Humanities G02, Intercultural and Global Awareness G11) (CM 3975)

FR 3454: French Culture from World Wars to Global Present (CLE Area 2, Pathways Critical Thinking in the Humanities G02, Intercultural and Global Awareness G11) (CM 3976)

**College of Science**

ECON 3034: Economics of Poverty and Discrimination (CLE Area 3, Pathways Reasoning in the Social Sciences G03, Critical Analysis of Equity and Identity in the United States G07, Ethical Reasoning G10) (CM 3973)

MATH 1524: Business Calculus (CLE Area 5, Pathways Quantitative and Computational Thinking G05f, Intercultural and Global Awareness G11) (CM 3848)

**Revised:**

**CLE Fall 2018/Pathways Fall 2018**

**College of Agriculture and Life Sciences**

AAEC 3324: Environmental and Sustainable Development Economics (CLE Area 3, Pathways Reasoning in the Social Sciences G03, Critical Analysis of Equity and Identity in the United States G07, Intercultural and Global Awareness G11) (CM 4015)

**College of Architecture and Urban Studies**

LAR 1254: Environment and Natural Systems (CLE Area 4, CLE Area 5, Pathways Reasoning in the Natural Sciences G04, Foundational Quantitative and Computational Thinking G05f, Intercultural and Global Awareness G11) (CM 3965)

**College of Liberal Arts and Human Sciences**

HD 2004: Human Development II: Adulthood and Aging (CLE Area 3, Pathways Reasoning in the Social Sciences G03, Intercultural and Global Awareness G11) (CM 3985)

PHIL 3024: Philosophical Movements (Pathways Critical Thinking in the Humanities G02, Ethical Reasoning G10) (CM 3916)

PHIL 3454 (RLCL 3454): Philosophy of Religion (CLE Area 2, Pathways Critical Thinking in the Humanities G02, Ethical Reasoning G10) (CM 3917)

RED 4604: Environmental and Sustainability Issues in Housing (CLE Area 7, Pathways Reasoning in the Social Sciences G03, Critical Analysis of Equity and Identity in the United States G07, Intercultural and Global Awareness G11) (CM 3977)

RLCL 2054 (SOC 2054): Ethnography: Studying Culture (CLE Area 3, Pathways Reasoning in the Social Sciences G03, Intercultural and Global Awareness G11) (CM 3978)

**College of Natural Resources and the Environment**

GEOG 1014: World Regions (CLE Area 3, CLE Area 7, Pathways Reasoning in the Social Sciences G03, Intercultural and Global Awareness G11) (CM 3967)

**College of Science**

MATH 1014: Precalculus with Transcendental Functions (CLE Area 5, Pathways Foundational Quantitative and Computational Thinking G05f, Intercultural and Global Awareness G11) (CM 3912)

**Pathways Fall 2018**

**College of Engineering**

ENGE 1215-1216: Foundations of Engineering (Pathways Critique and Practice in Design and the Arts G06d, Ethical Reasoning G10) (CM 3955)

**PATHWAYS AD HOC REVIEW COMMITTEE REPORT—MARCH 14, 2018**  
**FOR “FIRST AND SECOND READING”**  
**UNANIMOUS APPROVAL**

**COURSES**

**New:**

**CLE Fall 2018/Pathways Fall 2018**

**College of Liberal Arts and Human Sciences**

HIST 1354: Conflict and Security in Modern East Asia (CLE Area 3, CLE Area 7, Pathways Critical Thinking in the Humanities G02, Reasoning in the Social Sciences G03, Intercultural and Global Awareness G11) (CM 4042)

HIST 2224: Ancient Greek and Roman Women (CLE Area 2, Pathways Critical Thinking in the Humanities G02, Ethical Reasoning G10) (CM 4045)

**Pathways Fall 2018**

**College of Engineering**

ENGE 4104: Applied Explorations in Innovation (Pathways Advanced Quantitative and Computational Thinking G05a, Critique and Practice in Design and the Arts G06d, Ethical Reasoning G10, Intercultural and Global Awareness G11) (CM 3680)

**College of Liberal Arts and Human Sciences**

ENGL 2634: Writing and Social Justice (Pathways Advanced Discourse G01a, Critical Analysis of Equity and Identity in the United States G07, Ethical Reasoning G10) (CM 4041)

**Revised:**

**CLE Fall 2018/Pathways Fall 2018**

**College of Engineering**

CEE 3804: Computer Applications for CEE (CLE Area 5, Pathways Advanced Quantitative and Computational Thinking G05a, Intercultural and Global Awareness G11) (CM 3894)

CS 1014: Introduction to Computational Thinking (CLE Area 5, Pathways Foundational Quantitative and Computational Thinking G05f, Ethical Reasoning G10) (CM 4016)

**College of Liberal Arts and Human Sciences**

HUM 3034 (RLCL 3034) (COMM 3034): Theories of Popular Culture (CLE Area 2, Pathways Discourse G01A, Critical Analysis of Equity and Identity in the United States G07, Intercultural and Global Awareness G11) (CM 3944)

HIST 2114: Topics and Critical Issues in European History (CLE Area 2, CLE Area 7, Pathways Critical Thinking in the Humanities G02, Intercultural and Global Awareness G11) (CM 4043)

HIST 2124: Topics and Critical Issues in World History (CLE Area 2, CLE Area 7, Pathways Critical Thinking in the Humanities G02, Intercultural and Global Awareness G11) (CM 4044)

PHIL 2125, 2126: History of Modern Philosophy (CLE Area 2, Pathways Critical Thinking in the Humanities G02, Intercultural and Global Awareness G11) (CM 4046)

**MINORS**

**New:**

**Effective Graduation Calendar Year 2019**

**College of Engineering**

Establishment of new Pathways Minor: Innovation (INNO); First term to declare minor: Fall 2018; First term and year to graduate: Winter 2019 (CM 3679)

Checksheet: Pathways Minor in Innovation (INNO); First effective date to declare minor: Fall 2018; First effective date to graduate: Winter 2019 (CM 3679)

**CONSTITUENT REPORTS**

**Commission on Administrative and Professional Faculty Affairs**

No report.

**Staff Senate**

No report.

**Faculty Senate**

No report.

**Student Government Association**

No report.

**Graduate Student Assembly**

No report.

**OTHER BUSINESS**

**5 Year Untaught Course Report**

G. Costello presented the 5 Year Untaught Course Report. A motion was made and seconded to approve the 5 Year Untaught Course Report.

**The motion passed unanimously.**

**Virginia Tech Office of the University Registrar  
PPM No. 273, Policy on Untaught Courses in the Undergraduate Course Catalog and the  
Curriculum for Liberal Education Review**

**List of Courses Inactivated & Extended  
Effective 201801**

**Untaught Courses to be Inactivated**

**Course**      There are no items.

**Untaught Courses to be Extended**

**Course**      There are no items.

### **End of Year Governance Action**

G. Costello, presented a request to the Commission to consider review and electronic approval of the final reports of both the Undergraduate Curriculum Committee and Pathways Ad Hoc Review Committee for the last meetings of the Spring 2018 term occurring after the last scheduled Commission meeting.

A motion was made and seconded to review and approve electronically the final reports of both the Undergraduate Curriculum Committee and Pathways Ad Hoc Review Committee.

**The motion passed unanimously.**

### **ADJOURNMENT**

A motion was made and seconded to adjourn the meeting at 3:24 PM.

*Respectfully Submitted,  
Megan Coulter, Office of the University Registrar*