Table of Contents
Click on a motion below to be redirected to the motion page.

Faculty Senate Membership by College ................................................................. 1
Governance Structure of the 2019-2020 Faculty Senate ........................................ 4
Status of Motions of the 2019-2020 Faculty Senate .............................................. 7
19-20.01. Motion to Add a Radford University Carillon (RUC) Administrator to the REAL Implementation Steering Committee .......................................................... 9
19-20.02 — Motion to Revise Language in the Academic Governance Document Regarding Core Curriculum Advisory Committee (CCAC) .......................................................... 10
19-20.03 — Motion to Recommend Creation of the REAL Council .......................... 12
Motion 19-20.04: Motion to Approve the REAL Learning Goals and Outcomes, as Recommended by the REAL Curriculum Planning Committee ........................................ 16
Motion 19-20.05: Motion to Approve the Civic Engagement Plan, as Recommended by the Civic Engagement Ad Hoc Team ........................................................................ 19
19-20.06—Motion to Approve the Course MAKE 200 .............................................. 25
19-20.07—Motion to Revise the Student Evaluation of Faculty Language in the Teaching and Research Handbook ........................................................................ 26
19-20.08—Motion to Request Disclosure of all REAL Proposal Feedback .................. 27
19-20.09 — Motion to Add a Laboratory Course in Natural Sciences to the “REAL Model Requirements” in the “REAL Education Model” ......................................................... 29
19-20.10 Motion to Recommend the Fall 2021 Timeline for the Launch of the REAL Curriculum .................................................................................................................. 31
19-20.11 Motion to Recommend Adding REAL Academic Pathways .......................... 32
19-20.12 Motion to Recommend Change in the Bachelor of Arts and Bachelor of Science Catalog Requirements ......................................................................................... 38
19-20.13 Motion to Support Campus Sustainability ............................................... 40
19-20.14 Motion to Change the T & R Handbook Language Concerning Calendar Year Faculty Appointments ......................................................................................... 42
19-20.15 Motion to Replace Core Curriculum with Core Coursework for the 2020-2021 Catalog ..............................................................................................................................................................................43
19-20.16 Motion to Revise the Faculty Morale Survey ........................................................................................................................................................................58
19-20.17 Motion Concerning REAL Course Designation .......................................................................................................................................................................59
19-20.18 Motion to Rename the Department of Information Technology .................................................................................................................................60
Faculty Senate Membership by College ([http://www.radford.edu/content/faculty-senate/home/contacts.html](http://www.radford.edu/content/faculty-senate/home/contacts.html))

### Artis College of Science and Technology

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<th>College</th>
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</tr>
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<tbody>
<tr>
<td>at-large</td>
<td>Tim Fuhrer</td>
<td><a href="mailto:tfuhrer@radford.edu">tfuhrer@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Anthropological Sciences</td>
<td>Jake Fox</td>
<td><a href="mailto:jfox32@radford.edu">jfox32@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Biology</td>
<td>Matt Close</td>
<td><a href="mailto:mclose2@radford.edu">mclose2@radford.edu</a></td>
<td>2019-2021</td>
</tr>
<tr>
<td>Chemistry</td>
<td>George Harakas, Cindy Burkhardt</td>
<td><a href="mailto:gharakas@radford.edu">gharakas@radford.edu</a>, <a href="mailto:caburkha@radford.edu">caburkha@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Geology</td>
<td>Ryan Sincavage</td>
<td><a href="mailto:rsincavage@radford.edu">rsincavage@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Geospatial Science</td>
<td>Stockton Maxwell</td>
<td><a href="mailto:rmaxwell2@radford.edu">rmaxwell2@radford.edu</a></td>
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<tr>
<td>Information Technology</td>
<td>Ian Barland</td>
<td><a href="mailto:iabarland@radford.edu">iabarland@radford.edu</a></td>
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<tr>
<td>Mathematics/Statistics</td>
<td>Jean Mistele</td>
<td><a href="mailto:jmistele@radford.edu">jmistele@radford.edu</a></td>
<td>2019-2021</td>
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<td>Physics</td>
<td>Rhett Herman</td>
<td><a href="mailto:rherman@radford.edu">rherman@radford.edu</a></td>
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### Davis College of Business and Economics

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<tr>
<td>at-large</td>
<td>Prahlad Kasturi</td>
<td><a href="mailto:pkasturi@radford.edu">pkasturi@radford.edu</a></td>
<td>2019-2021</td>
</tr>
<tr>
<td>at-large</td>
<td>Clarence Rose, Felix Amankhienen</td>
<td><a href="mailto:crose@radford.edu">crose@radford.edu</a>, <a href="mailto:famenkhi@radford.edu">famenkhi@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Accounting, Finance, &amp; Business Law</td>
<td>Abhay Kaushik</td>
<td><a href="mailto:akaushik@radford.edu">akaushik@radford.edu</a></td>
<td>2018-2019</td>
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<tr>
<td>Economics</td>
<td>Daniel Farhat</td>
<td><a href="mailto:dfarhat@radford.edu">dfarhat@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Management</td>
<td>Vernard Harrington</td>
<td><a href="mailto:kvharring@radford.edu">kvharring@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Marketing</td>
<td>Jane Machin</td>
<td><a href="mailto:jmachin@radford.edu">jmachin@radford.edu</a></td>
<td>2018-2020</td>
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### College of Education and Human Development

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<tr>
<td>at-large</td>
<td>Brad Bizzell</td>
<td><a href="mailto:bbizzell@radford.edu">bbizzell@radford.edu</a></td>
<td>2018-2020</td>
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<td>at-large</td>
<td>Katie Hilden</td>
<td><a href="mailto:kclouse@radford.edu">kclouse@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>at-large</td>
<td>Cheri Triplett</td>
<td><a href="mailto:cftriplet@radford.edu">cftriplet@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Counselor Education</td>
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<tr>
<td>Health and Human Performance</td>
<td>George Philippi</td>
<td><a href="mailto:hphilippijr@radford.edu">hphilippijr@radford.edu</a></td>
<td>2018-2020</td>
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<td>Recreation, Parks &amp; Tourism</td>
<td>Anita Zatori</td>
<td><a href="mailto:azatori@radford.edu">azatori@radford.edu</a></td>
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<td>School of Teacher Education</td>
<td>Sandra Schneider</td>
<td><a href="mailto:sschneider@radford.edu">sschneider@radford.edu</a></td>
<td>2018-2020</td>
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<td>College of Humanities and Behavioral Sciences</td>
<td>Suzanne Ament</td>
<td><a href="mailto:seament@radford.edu">seament@radford.edu</a></td>
<td>2018-2020</td>
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<td>at-large</td>
<td>Paul Thomas</td>
<td><a href="mailto:pthomas15@radford.edu">pthomas15@radford.edu</a></td>
<td>2019-2021</td>
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<td>at-large</td>
<td>Jamie McDaniel</td>
<td><a href="mailto:jmcdaniel30@radford.edu">jmcdaniel30@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Communication</td>
<td>Scott Dunn</td>
<td><a href="mailto:swdunn@radford.edu">swdunn@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Criminal Justice</td>
<td>Nicole Hendrix</td>
<td><a href="mailto:pnhendrix@radford.edu">pnhendrix@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>English</td>
<td>David Beach</td>
<td><a href="mailto:dbeach6@radford.edu">dbeach6@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Foreign Language &amp; Literature</td>
<td>Blas Hernandez</td>
<td><a href="mailto:bherandez@radford.edu">bherandez@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>History</td>
<td>Mark Munzinger</td>
<td><a href="mailto:mmunzinge@radford.edu">mmunzinge@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Philosophy &amp; Religion</td>
<td>Geoff Pollick</td>
<td><a href="mailto:gpollick@radford.edu">gpollick@radford.edu</a></td>
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<td>Political Science</td>
<td>Reginald Shareef</td>
<td><a href="mailto:rshareef@radford.edu">rshareef@radford.edu</a></td>
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<td>Psychology</td>
<td>Eric Mesmer</td>
<td><a href="mailto:emesmer@radford.edu">emesmer@radford.edu</a></td>
<td>2018-2020</td>
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<td>Sociology</td>
<td>Roby Page</td>
<td><a href="mailto:erpage@radford.edu">erpage@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>College of Visual and Performing Arts</td>
<td>Tim Channell</td>
<td><a href="mailto:tchannell@radford.edu">tchannell@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Art</td>
<td>Roann Barris</td>
<td><a href="mailto:rbarris@radford.edu">rbarris@radford.edu</a></td>
<td>2018-2020</td>
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<td>Dance</td>
<td>Ji-Eun Lee</td>
<td><a href="mailto:jlee211@radford.edu">jlee211@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Interior Design &amp; Fashion</td>
<td>Tammy Robinson</td>
<td><a href="mailto:trobinso@radford.edu">trobinso@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Music</td>
<td>Sekyung Jang</td>
<td><a href="mailto:sjang5@radford.edu">sjang5@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Theater/Cinema</td>
<td>Molly Hood</td>
<td><a href="mailto:mhood7@radford.edu">mhood7@radford.edu</a></td>
<td>2019-2021</td>
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<td>McConnell Library</td>
<td>Alyssa Archer</td>
<td><a href="mailto:aarcher2@radford.edu">aarcher2@radford.edu</a></td>
<td>2019-2021</td>
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<td>Sarah Gilbert</td>
<td><a href="mailto:sgilbert2@radford.edu">sgilbert2@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>at-large</td>
<td>Matthias Naleppa</td>
<td><a href="mailto:mnaleppa@radford.edu">mnaleppa@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Clinical Health Professions</td>
<td>John Cook</td>
<td><a href="mailto:Jcook85@radford.edu">Jcook85@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Communication Science &amp; Disorders</td>
<td>Diane Miller</td>
<td><a href="mailto:dcmillar@radford.edu">dcmillar@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Nursing</td>
<td>Katie Katz</td>
<td><a href="mailto:krkatz@radford.edu">krkatz@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Occupational Therapy</td>
<td>Sheila Krajnik</td>
<td><a href="mailto:skrajnik@radford.edu">skrajnik@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Physical Therapy</td>
<td>Arco Paul</td>
<td><a href="mailto:apaul8@radford.edu">apaul8@radford.edu</a></td>
<td>2018-2020</td>
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<tr>
<td>Physician Assistant Studies</td>
<td>Judy Smith</td>
<td><a href="mailto:jsmith182@radford.edu">jsmith182@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Public Health &amp; Healthcare Leadership</td>
<td>Jeannine Everhart</td>
<td><a href="mailto:jeverhart1@radford.edu">jeverhart1@radford.edu</a></td>
<td>2019-2021</td>
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<tr>
<td>Social Work</td>
<td>Mashooq Salehin</td>
<td><a href="mailto:msalehin@radford.edu">msalehin@radford.edu</a></td>
<td>2018-2020</td>
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Governance Structure of the 2019-2020 Faculty Senate

Faculty Senate Executive Council

President—Jake Fox
Vice-President—Vernard Harrington
Secretary—Tim Channell
At-Large—Katie Katz
At-Large—Scott Dunn

Campus Environment

<table>
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<tr>
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<tr>
<td>Cook, John</td>
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<td>Frasier, Pam</td>
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<td>Jang, Sekyung</td>
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Curriculum

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<td>Dunn, Scott</td>
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**Faculty Issues**

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**Governance**

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**Resource Allocation**

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Status of Motions of the 2019-2020 Faculty Senate

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<td>2019-2020</td>
<td>19-20.01. Motion to Add a Radford University Carillon (RUC) Administrator to the REAL Implementation Steering Committee</td>
<td>FSEC</td>
<td>Passed 7/11/19</td>
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<tr>
<td>8/29/19</td>
<td>19-20.02— Motion to Revise Language in the Academic Governance document regarding Core Curriculum Advisory Committee (CCAC)</td>
<td>FSEC</td>
<td>Passed 9/12/19</td>
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<td>8/29/19</td>
<td>19-20.03— Motion to Recommend Creation of the REAL Council</td>
<td>FSEC</td>
<td>Passed 9/12/19</td>
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<tr>
<td>9/12/19</td>
<td>Motion 19-20.04—Motion to Approve the REAL Learning Goals and Outcomes, as Recommended by the REAL Curriculum Planning Committee</td>
<td>FSEC</td>
<td>Passed 10/10/19</td>
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<td>9/12/19</td>
<td>Motion 19-20.05—Motion to Approve the Civic Engagement Plan, as Recommended by the Civic Engagement Ad Hoc Team</td>
<td>FSEC</td>
<td>Passed 9/26/19</td>
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<td>19-20.06—Motion to Recommend Approval of the Course MAKE 200</td>
<td>Curriculum</td>
<td>Passed 9/26/19</td>
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<td>9/26/19</td>
<td>19-20.07—Motion to Revise the Student Evaluation of Faculty Language in the Teaching and Research Handbook</td>
<td>Governance</td>
<td>Passed 10/10/19</td>
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<tr>
<td>9/26/19</td>
<td>19-20.08—Motion to Request Disclosure of all REAL Proposal Feedback</td>
<td>Senators Farhat, Harrington, Kasturi, Kaushik, Machin, and Rose.</td>
<td>Tabled Indefinitely 10/3/19</td>
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<tr>
<td>9/26/19</td>
<td>19-20.09— Motion to Add a Laboratory Course in Natural</td>
<td>Curriculum</td>
<td>Failed 10/3/19</td>
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</tr>
<tr>
<td>10/24/19</td>
<td>Sciences to the “REAL Model Requirements” in the “REAL Education Model”</td>
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<tr>
<td>10/24/19</td>
<td>19-20.10 Motion to Recommend the Fall 2021 Timeline for the Launch of the REAL Curriculum</td>
<td>Curriculum</td>
<td>Passed 11/7/19</td>
</tr>
<tr>
<td>10/24/19</td>
<td>19-20.11 Motion to Recommend Adding REAL Academic Pathways</td>
<td>Governance</td>
<td>Passed 11/7/19</td>
</tr>
<tr>
<td>10/24/19</td>
<td>19-20-12 Motion to Recommend Change in the Bachelor of Arts and Bachelor of Science Catalog Requirements</td>
<td>Curriculum</td>
<td>Failed 11/7/19</td>
</tr>
<tr>
<td>10/24/19</td>
<td>19-20.13 Motion to Support Campus Sustainability</td>
<td>Senator Maxwell</td>
<td>Passed 11/21/19</td>
</tr>
<tr>
<td>11/7/19</td>
<td>19-20.14 Motion to Change the T &amp; R Handbook Language Concerning Calendar Year Faculty Appointments</td>
<td>Faculty Issues</td>
<td>Passed 11/21/19</td>
</tr>
<tr>
<td>11/7/19</td>
<td>19-20.15 Motion to Replace Core Curriculum with Core Coursework for the 2020-2021 Catalog</td>
<td>Curriculum</td>
<td>Passed 12/5/19</td>
</tr>
<tr>
<td>11/7/19</td>
<td>19-20.16 Motion to Revise the Faculty Morale Survey; Referred by Campus Environment Committee</td>
<td>Campus Environment</td>
<td>Passed 1/23/20</td>
</tr>
<tr>
<td>11/21/19</td>
<td>19-20.17 Motion Concerning REAL Course Designation</td>
<td>Curriculum</td>
<td>Passed 12/5/19</td>
</tr>
<tr>
<td>2/6/20</td>
<td>19-20.18 Motion to Rename the Department of Information Technology</td>
<td>Curriculum</td>
<td></td>
</tr>
</tbody>
</table>
19-20.01. Motion to Add a Radford University Carillion (RUC) Administrator to the REAL Implementation Steering Committee

Referred by: Faculty Senate Executive Committee

MOTION:

The Faculty Senate Executive Council recommends and approves of the addition of one administrator from RUC to join the REAL Implementation Steering Committee.

RATIONALE:

When the REAL Implementation Steering Committee was originally approved by Faculty Senate, the merger with Jefferson College of Health Sciences was still a work in progress. Now that the merger is complete, the REAL Implementation Steering Committee would benefit from the enhanced communication and input of an administrator familiar with the operations of RUC.

To Table of Contents
19-20.02— Motion to Revise Language in the Academic Governance Document Regarding Core Curriculum Advisory Committee (CCAC)

Referred by: Faculty Senate Executive Committee

MOTION:

Faculty Senate recommends replacing “general education” with “Core Curriculum” in the charges of the Core Curriculum Advisory Committee in the Academic Governance document.

RATIONALE:

The Core Curriculum will continue to be offered and supported through the teach-out after the launch of the REAL curriculum.

*Supporting Document:

<table>
<thead>
<tr>
<th>Current Language</th>
<th>New Language</th>
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</thead>
<tbody>
<tr>
<td><strong>Charges:</strong></td>
<td><strong>Charges:</strong></td>
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<tr>
<td>Approval authority for:</td>
<td>Approval authority for:</td>
</tr>
<tr>
<td>addition of courses to the General Education program, changes to existing courses in the General Education program, assessment plans for learning outcomes in courses, and assessment schedule for General Education learning outcomes.</td>
<td>addition of courses to the Core Curriculum program, changes to existing courses in the Core Curriculum program, assessment plans for learning outcomes in courses, and assessment schedule for Core Curriculum learning outcomes.</td>
</tr>
<tr>
<td>Makes recommendations to the Faculty Senate regarding: learning goals and outcomes for General Education, the structure of the General Education program, and changes in the general education program based on results of assessments.</td>
<td>Makes recommendations to the Faculty Senate regarding: learning goals and outcomes for Core Curriculum, the structure of the Core Curriculum program, and changes in the Core Curriculum program based on results of assessments.</td>
</tr>
<tr>
<td><strong>Membership Composition:</strong></td>
<td><strong>Membership Composition:</strong></td>
</tr>
<tr>
<td>Two faculty from the College of Humanities and Behavioral Sciences; one from Humanities, the other from Behavioral Sciences</td>
<td>Two faculty from the College of Humanities and Behavioral Sciences; one from Humanities, the other from Behavioral Sciences</td>
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<td>Two faculty from the Artis College of Science and Technology; one from computational</td>
<td>Two faculty from the Artis College of Science and Technology; one from computational</td>
</tr>
</tbody>
</table>
and information sciences, the other from the natural and physical sciences

One faculty from each of the other undergraduate colleges
Director of Core Curriculum (non-voting)
Assistant Provost for Institutional Effectiveness & Quality Improvement (non-voting)

**Designated Administrator:** Provost

and information sciences, the other from the natural and physical sciences

One faculty from each of the other undergraduate colleges
Director of Core Curriculum (non-voting)
Assistant Provost for Institutional Effectiveness & Quality Improvement (non-voting)

**Designated Administrator:** Provost

To Table of Contents
19-20.03— Motion to Recommend Creation of the REAL Council

Referred by: Faculty Senate Executive Committee

MOTION:

The Faculty Senate recommends the establishment of the REAL Council as outlined in the REAL Council Proposal.

*Supporting Document:

REAL Council Proposal

Membership:

A. 2 faculty from each undergraduate college— (staggered 3 year terms)
B. General Education Administrator - non-voting
C. 2 undergraduate students - non-voting, appointed annually by Student Affairs
D. Executive Director of Faculty Development – non-voting
E. Representative from Institutional Effectiveness & Quality Improvement - non-voting

Faculty members are elected by their respective undergraduate colleges. Nominations for faculty members must be received by colleges no later than close of business on Friday of week 10 of the spring semester. Voting must conclude no later than the close of business on Friday of week 12 with the results being communicated to the Provost during week 13 of the of spring semester. In the case of faculty membership vacancies, new members would be elected by their college to fulfill the remainder of the original terms.
Charges:

A. Interim Charges: (To be addressed prior to the launch of REAL curriculum)

   I. Develop a schedule for REAL Council review of campus-wide assessment for fulfillment of REAL knowledge areas and Cornerstone and Foundation courses.

   II. Establish competency criteria to meet learning outcomes in REAL studies minors.

   III. Establish minimum benchmarks for students achieving competencies in the REAL areas, Foundation and Cornerstone courses in consultation with the Office of Institutional Effectiveness and Quality Improvement.

   IV. Liaise with administrative units and/or committees to identify appropriate procedures and infrastructure to support interdisciplinary and multidisciplinary courses, majors, minors, and certificates.

   V. Partner with the Executive Director of Faculty Development to identify strategies to support faculty development related to the REAL curriculum.

B. Standing Charges

   I. Review and make recommendations to Faculty Senate about the learning goals and outcomes for REAL knowledge areas and Cornerstone and Foundation courses.

   II. Review, maintain, and administer process, procedures, timeline, competency criteria, and templates for REAL designations of courses.

   III. Review Approve proposals for REAL course designations (approval authority).

   IV. Review, maintain, and administer process, procedures, timeline, and templates for REAL alignment of majors, minors, and certificates.

   V. Review Recommend approval of REAL proposals for majors, minors, and certificate alignment (recommendation authority).

   VI. Review and approve proposals for courses to fulfill Foundation course requirements within the REAL curriculum (approval authority).

   VII. Review and approve course proposals for Writing Intensive course designation within the REAL curriculum (approval authority).
VIII. Review and approve proposals for courses to fulfill Personal and Professional Development area within the REAL curriculum (approval authority).

IX. Annually review programming activities approved by the General Education Administrator to fulfill the Personal and Professional Development area.

X. Periodically review assessment results related to REAL learning goals and outcomes for degree majors, minors, and certificates and make subsequent recommendations to Faculty Senate Executive Council.

XI. Partner with the Executive Director of Faculty Development to identify strategies to support faculty development related to the REAL curriculum.

XII. Review an annual report on the status of General Education (could include, but is not limited to, information such as: progression to degree, resource capacity and concerns, student impact, and advising support), compiled by the General Education Administrator, and make subsequent recommendations to Faculty Senate Executive Council.

XIII. On an annual basis, review report, provided by the General Education Administrator, that details updates and changes to REAL major, minor, and certificate alignment and course designations and rotations from departments, and make subsequent recommendations to Faculty Senate Executive Council.

Designated Administrator: Provost

OPERATING RULES:

- Offering departments decide criteria or standards for determining whether students have successfully achieved learning outcomes for courses (including Foundational and Cornerstone courses), majors, minors, and certificates.

- Course designation decisions can be appealed to the Faculty Senate Curriculum Committee for recommendation to Faculty Senate, which has final approval.

- The review process for course designations and major, minor, and certificate alignment occurs as part of academic program review.
**Terms**

**Alignment:** Documentation of how major, minor, and certificates will fulfill REAL areas.

**Benchmark:** The desired level of performance that represents success at achieving learning outcomes

**Cornerstone Course:** Writing intensive and Personal and Professional Development courses

**Criteria:** Standards for determining whether students have successfully achieved learning outcomes

**Department:** Department, schools, or committee coordinating an interdisciplinary or multidisciplinary program

**Designation:** Fulfillment of REAL and/or Cornerstone areas by a course

**Foundation Courses:** Essential math and essential writing courses

**Templates:** For programs, template must include which courses fulfill REAL areas. For courses, templates must include plans for how learning goals and outcomes related to REAL curriculum are addressed.

**RATIONALE:** This proposal would immediately establish an academic governance committee, the REAL Council to oversee REAL curriculum at Radford University. The initial function of the REAL Council is to establish procedures for program alignment to the REAL curriculum. The Council’s continued functions are to maintain program alignment and ensure REAL curriculum quality. Elections of initial members will occur within two weeks of final approval.

*To Table of Contents*
Motion 19-20.04: Motion to Approve the REAL Learning Goals and Outcomes, as Recommended by the REAL Curriculum Planning Committee

Referred by: Faculty Senate Executive Committee

MOTION:

The Faculty Senate approves the REAL learning goals and outcomes, as recommended by the REAL Curriculum Planning Committee (RCPC).

RATIONALE:

In response to the charges given by the Faculty Senate in Spring 2019, the RCPC has submitted recommendations in the supporting document to this motion.

Foundational Course Learning Goals and Outcomes

Foundational Math:
Learning Goal: To apply the tools of mathematics to conceptualize and solve problems in everyday life.
Learning Outcomes:
1. Students translate information among various mathematical forms (e.g., equations, graphs, diagrams, tables, words).
2. Students successfully solve problems using appropriate mathematical tools.
3. Students draw appropriate conclusions based on mathematical evidence.

Foundational Writing:
Learning Goal: To develop a student’s understanding of the principles and elements of effective written communication through applied practice, self-evaluation, and revision.
Learning Outcomes:
1. Students employ reading strategies to facilitate written communication.
2. Students engage in the recursive writing process, including pre-writing, drafting, revising, editing, and proofreading to improve written communication.
3. Students use appropriate vocabulary, mechanics, grammar, and style.

REAL Area Learning Goals and Outcomes

R (Scientific and Quantitative Reasoning) Area:
Learning Goal: To apply scientific and quantitative reasoning to questions about the natural world, mathematics, or related areas.
Learning Outcomes:
1. Students apply scientific and quantitative information to test problems and draw conclusions.
2. Students evaluate the quality of data, methods, or inferences used to generate scientific and quantitative knowledge.

E (Humanistic or Artistic Expression) Area
Learning Goal: To explore humanistic or artistic expression through inquiry or creativity.
Learning Outcomes:
1. Students demonstrate understanding of diverse ideas, languages, products, or processes of humanistic inquiry or artistic expression.
2. Students critically evaluate, synthesize, or create forms of human expression or inquiry.

A (Cultural or Behavioral Analysis) Area
Learning Goal: To examine the context and interactions of culture(s) and/or behavior(s)
Learning Outcomes:
1. Students describe behaviors, beliefs, cultures, social institutions, and/or environments.
2. Students analyze the interactions of behaviors, beliefs, cultures, social institutions, and/or environments.

L (Applied Learning) Area
Learning Goal: To explore professional practice through the application of knowledge, skills, and critical reflection.
Learning Outcomes:
1. Students apply acquired knowledge and skills to develop professional identity or professional practice.
2. Students critically reflect on their learning, abilities, experiences, or role within professional contexts.

Cornerstone Course Learning Goals and Outcomes

Writing Intensive Designation:
Writing intensive course conditions:
• Courses substantially integrate sole-authored student writing within the course objectives and assessments.
• Courses use discipline-specific reading strategies to facilitate effective written communication.
Courses engage students in a recursive writing process that includes revision supported by consistent, detailed instruction and the incorporation of feedback.

Learning Goal: Through instruction and feedback, students become more adept at producing appropriate and effective written work.

Learning Outcomes:
1. Students demonstrate proficiency in the writing conventions of a discipline.
2. Students communicate through writing their understanding of disciplinary content and/or texts.

**Personal and Professional Development:**
Learning Goal: To prepare students for lifelong success, students explore an area of physical, social, emotional, financial, scholarly, spiritual, cultural, and/or professional development.

Learning Outcomes:
1. Students identify a personal or professional goal(s) through engagement in activities or coursework.
2. Students reflect on their progress in achieving a personal or professional development goal(s), including how it affects themselves and/or those around them.

Rationale: The REAL Curriculum Planning Committee was given the charge to develop learning goals and outcomes for the REAL areas and foundational and cornerstone courses to support course designation and program alignment with the model of general education.

To Table of Contents
Motion 19-20.05: Motion to Approve the Civic Engagement Plan, as Recommended by the Civic Engagement Ad Hoc Team

Referred by: Faculty Senate Executive Committee

MOTION:

The Faculty Senate approves the Civic Engagement Plan, as recommended by the Civic Engagement Ad Hoc Team.

RATIONALE:

In response to charges given by the Faculty Senate in Fall 2018, the Civic Engagement Ad Hoc Team has submitted a plan for the implementation and assessment of the SCHEV-mandated Civic Engagement competency in the supporting document to this motion.

To Table of Contents
Radford University Civic Engagement Plan

Definition:
Civic engagement is a sustainable university-wide commitment to serve the community. Highlanders will contribute time, knowledge, skills, and leadership to the civic life of their communities. (approved by Faculty Senate during the 18-19 academic year)

Outcomes: Students graduating from Radford University will:
1. Connect academic knowledge with participation in civic life.
2. Seek understanding of how their own attitudes and beliefs are different from those of others.
3. Demonstrate effective collaboration and inclusive discourse to successfully engage with the community.
4. Commit to and engage in civic activities that serve the community.

Goals: The following goals for civic engagement have been established for Radford University:
- Increase the number of students participating in civic engagement activities
- Increase the number of activities and programs focused on civic engagement
- Improve the level of student competency in civic engagement

Methodology

Timeline
Data collection will begin in AY 2019-2020; data will be analyzed each year beginning in AY 2020-2021; and data reporting will begin in AY 2022-2023.

The Office of Institutional Effectiveness and Quality Improvement will support the various campus units that will collect civic engagement data with the development of assessment plans.

Measures and Targets

Multiple assessment approaches will be employed:

- Citizen Leader Program:
The Citizen Leader graduation distinction program assists students by providing the opportunity to engage in authentic, inclusive, and individualized educational experiences that will help them find success as civically active and aware leaders while attending Radford University and beyond graduation. Data will be collected on Citizen Leader designated courses (number of courses, student enrollments, faculty participation) and on students annually graduating with Citizen Leader distinction.
Measures:

- Number of Citizen Leader designated courses offered
- Number of students participating in Citizen Leader designated courses
- Number of Citizen Leader students participating in Citizen Leader designated courses
- Number of students graduating with the Citizen Leader distinction
- Assessment of competency using civic engagement rubric for all students in Citizen Leader designated courses
- Assessment of civic engagement competency for all students graduating with Citizen Leader distinction

Targets:

- (15) Citizen Leader courses will be offered each academic year
- (300) students will annually participate in Citizen Leader designated courses
- (15) Citizen Leader students will annually participate in Citizen Leader designated courses
- (10) students will graduate with the Citizen Leader distinction each academic year
- 50% of students completing Level 2 or 3 Citizen Leader designated courses will achieve competent level of assessment in civic engagement outcomes
- 60% of Citizen Leaders students participating in Level 2 or 3 Citizen Leader designated courses will achieve competent level of assessment in civic engagement

RU Involved:

Radford’s student involvement portal, RU Involved, tracks student organization involvement and service hours to create student involvement records. It also features an ePortfolio which can serve as an online record containing involvement, employment, documents, and recommendations. Student participation in civic engagement related activities and events will be tracked through this portal and reported to the Office of Institutional Effectiveness and Quality Improvement.

Targets:

- (75) civic engagement opportunities and activities will be offered each academic year
- 20% of registered student organizations will offer at least one civic engagement activity per academic year
- 5% of registered student organizations will be classified as civic engagement focused
- 15% of students will participate in at least one civic engagement designated activity per academic year
• Radford University Athletics
As part of their participation in Radford University Athletics, RU student-athletes engage in a variety of community service activities to support both the campus and surrounding community. These activities are tracked and reported to NCAA by the Athletics division. Data regarding athlete participation in civic-engagement related activities and events will be collected by the division and reported to the Office of Institutional Effectiveness and Quality Improvement.
  o Target:
    • 100% team participation in community service initiatives organized by Student-Athlete Advisory Committee (SAAC)

• National Survey of Student Engagement (NSSE):  
The Office of Institutional Effectiveness and Quality Improvement coordinated administration of the NSSE survey to first-year students and seniors in 2016, 2017, 2018, and 2019. The NSSE survey assesses the extent to which students engage in educational practices associated with high levels of learning and development. From the general NSSE survey, data on (14) questions related to civic engagement and civic learning will be collected and analyzed. Currently the general NSSE survey is administered every year but may be reduced to every-other-year administration. Beginning in 2020, students will also complete the ‘Civic Engagement’ NSSE module every other year. Targets may be revised after module implementation to include targets related to those questions.
  o Targets:
    • The mean response for questions related to interaction with and understanding of people of other backgrounds (Q. 2, 8, 17) will be 3.0 or higher
    • 33% (or more) of students will respond that they have held or plan to hold a formal leadership role in a student organization or group (Q. 11)
    • 25% (or less) of students will indicate that none of their Radford University courses included a community-based (service-learning) project (Q. 12)
    • 15% (or less) of students will respond that Radford University did very little to emphasize: encouraging contact among students of different backgrounds and attending events that address important social, political, or economic issues (Q. 14)

• Course/Student Assessment:
Upon completion of the process by which courses can be designated as civic engagement, this measure will be included in the SCHEV assessment plan for civic engagement. In 2020-2021, the internal governance committee will commence the
designation of civic engagement courses. Civic engagement designated courses will be conducted by individual faculty in their own disciplines. Level 2 or 3 designated civic engagement courses will engage in individual student-level assessment. These assessments can entail direct measures of student learning, embedded course assignments, and/or e-Portfolios evaluated using a faculty-developed rubric.

- **Measures:**
  - Number of civic engagement designated course sections offered each academic year
  - Number of students participating in civic engagement designated courses
  - Assessment of civic engagement competency for all students completing Level 2 or 3 civic engagement designated courses

- **Targets:** TBD upon collection of baseline data
  - (X) civic engagement designated course sections will be offered each academic year
  - (X) students will participate in civic engagement designated courses
  - (X) percentage of students completing Level 2 or 3 civic engagement designated courses will achieve competent level of assessment in civic engagement outcomes

- **The National Study of Learning, Voting, and Engagement (NSLVE):** Radford University began participating in The National Study of Learning, Voting, and Engagement (NSLVE) in spring 2019. This study will provide student and institution-level data on Radford University students’ voter registration rates and voting rates. Data collected through the study will allow for assessment of the campus climate for political learning and engagement and the correlations between specific student learning experiences and voting. NSLVE reports for further analysis will be sent each fall to the Office of Institutional Effectiveness and Quality Improvement.
  - **Target(s):**
    - TBD when baseline data is provided by NSLVE
    - Reports with 2014 & 2018 election data will be provided in fall 2019
    - Reports with 2012 & 2016 election data will be provided in fall 2020

**Analysis:**
Data collected from the civic engagement assessment measures will be collated and analyzed annually by the Office of Institutional Effectiveness and Quality Improvement in coordination with a standing internal governance committee that will oversee civic engagement.
Oversight and Communication of Findings:
An ad hoc committee was formed to develop an assessment plan for civic engagement at Radford University. This committee will remain in place during the 2019-2020 academic year to collect the first year of civic engagement assessment data. During 2019-2020, the ad hoc committee will identify charges and mission for a standing internal governance committee (name TBD) to oversee civic engagement. This committee will oversee course and activity designations and will assist the Office of Institutional Effectiveness and Quality Improvement with the continued collection, analysis, and dissemination of assessment data results.

The Office of Institutional Effectiveness and Quality Improvement will oversee assessment reporting for the State Council of Higher Education in Virginia. Findings for the civic engagement SCHEV competency will be disseminated on the Office of Institutional Effectiveness and Quality Improvement website within detailed reports. General achievement data regarding civic engagement will be presented on a public website (under development). The findings will be shared with the university community, including administration, Faculty Senate, the civic engagement internal governance committee, general education committees, and associated teams. The Provost’s Office will coordinate with schools and departments to ensure that the findings are considered.

To Table of Contents
19-20.06—Motion to Approve the Course MAKE 200

Referred by: Curriculum Committee

MOTION:

Faculty Senate approves the course MAKE 200

RATIONALE:

This course is needed to support the Community of Makers, a Radford University Living Learning Community. The community does not currently have required elements for the spring semester and this has limited the effectiveness of the program. MAKE 200 will allow better mentoring of the Maker students, building a stronger community of learners which is critical for student retention. Students will learn new skills which they can put on their resume (e.g. 3D printing). A one credit course is also helpful for Maker LLC students with a single credit gap in their total hours.

To Table of Contents
19-20.07—Motion to Revise the Student Evaluation of Faculty Language in the Teaching and Research Handbook

Referred by: Governance Committee

MOTION:

The Faculty Senate recommends changing the language of the procedures of the Student Evaluations of Faculty Section of the T&R Faculty Handbook (1.4.1.3) to read:

Procedures:

1. Student evaluations for full-semester courses, regardless of method delivery, shall be conducted between the thirteenth and fourteenth weeks of the semester; for half-semester courses they are conducted during the sixth week of the course. If all students in a course are not scheduled to meet simultaneously in the same place with an instructor or proctor between the thirteenth and fourteenth weeks of the semester, then the student evaluation may be administered electronically. In the case of evaluations, of online courses, the faculty member may designate a 24-hour period within the specified window during which evaluations will take place.

1. Student evaluations for full-semester courses shall be conducted during the last two weeks of classes. For any course shorter than a full semester, student evaluations shall be conducted during the last week of [that] classes, prior to the day of the final exam. In the case of evaluations of online courses, the faculty member may designate a 24-hour period during the course evaluation time frame.

2. The department personnel committee or course supervisor shall determine who is responsible for administering the evaluations in classes and online. Under no circumstances shall the actual instructor of the course administer his or her own evaluations.

3. It is recommended that the evaluation be administered at the beginning of class to ensure that the students have adequate time to prepare thoughtful comments. (DELETE) For evaluations administered in the classroom, the packet of evaluations given to faculty must include the standard university wide instruction statement (see below). All administrators of the evaluations must read the statement aloud. The statement addresses the conditions under which the evaluations are conducted, how they should be completed by students, and why they are important.

RATIONALE:
The proposed language is more flexible and accounts for a range of course schedules beyond the 7 and 14-week period.

19-20.08—Motion to Request Disclosure of all REAL Proposal Feedback

Referred by: Senator Farhat, Senator Harrington, Senator Kasturi, Senator Kaushik, Senator Machin, and Senator Rose

MOTION FOR DISCLOSURE TO GENERAL FACULTY OF ALL FEEDBACK REGARDING REAL PROPOSAL

WHEREAS Radford University, its general faculty, and the Faculty Senate value transparency and information based decision making which takes into account specific input received from stakeholders before important decisions are made regarding proposed major curriculum changes such as adoption of the REAL Education Curriculum Learning Goals and Outcomes; and

WHEREAS, during the summer of 2019 and early part of Fall semester 2019, on-line comments and reactions to a draft statement of the proposed REAL Curriculum Learning Goals and Outcomes were collected by Faculty Senate committee(s) but which specific reactions and comments have not been shared with all Faculty Senators nor the general faculty; and

WHEREAS, the general faculty and the elected college senators are entitled to see and have time to reflect upon the actual comments and reactions collected by the Faculty Senate committees regarding the proposed REAL Curriculum Learning Goals and Outcomes before a vote is taken to adopt that proposal, now, therefore, it is

MOVED, that all feedback, comments or reactions to the proposed REAL Curriculum Learning Goals and Outcomes which have been collected by any of the Faculty Senate committees be immediately disseminated to the general faculty at Radford University and to their elected senators and that no vote be taken on the proposed REAL Curriculum Learning Goals and Outcomes until a reasonable time after such dissemination occurs (to allow meaningful reflection on the feedback before a decision is made).

This motion is brought forward by the Davis College Faculty Senate Delegation: Senators Farhat, Harrington, Kasturi, Kaushik, Machin, and Rose.
MOTION:

The Faculty Senate approves the addition of a four credit Laboratory Natural Sciences course to the “REAL Model Requirements” in the “REAL Education Model”. This requirement will appear under number 3 in the “REAL MODEL Requirements” after the two writing intensive courses and the “personal and professional development and wellness requirement and will read as follows:

A course of no less than four credits in one of the Natural Sciences that includes a laboratory component. This course is designed to prepare students to contribute meaningfully to some of the most important issues facing our nation and world by demonstrating the way in which the natural world is studied, along with the tools and thought processes of discovery in the natural sciences. The course description, goals, and outcomes must reflect the significant roles played by both the empirical and theoretical study of some portion of the natural world. No departments are required to offer courses in this area, but any department with expertise in the natural sciences can develop or use an existing course or courses to fulfill this requirement for degree-seeking students or others across campus. Courses must be designated with a (NS) in the schedule of classes. Any courses taken for this requirement can cross-credit with majors and minors.

RATIONALE:

As we hope to maintain and grow Radford University’s reputation as a comprehensive university educating students in preparation for meaningful participation in society, it is imperative that we continue to include training in the natural, laboratory sciences as part of our general education requirements. The current wordings of the REAL General Education Model and the Learning Goals and Outcomes associated with it would allow for some students to complete bachelor’s degrees at Radford University without exposure to even one course in the Natural Sciences. For a brief comparison, we can see that other Virginia schools have, at minimum, one math and one natural science; the majority require two natural sciences:

- JMU has one math and two natural/lab sciences in their General Ed program in their “Cluster Three: The Natural World” area.
- Virginia Tech has 6 hours in natural science, and then 9 hours in “Quantitative and Computational Thinking.”
- UVA: “Natural Science and Mathematics - 12 credits from two different departments”
- VCU: one math and one natural science required
- Roanoke College: one math plus one natural science (lab required) plus one of either math or natural science
- Old Dominion: two semesters of natural science; may be two non-sequential natural science classes with labs unless a sequence is specifically required for the major.
● University of Mary Washington: Requires a two-course sequence in Natural Science; at least one course must have a lab.
● Longwood University only requires one math and one science course, but the science is Natural Science, and all the courses that meet the requirement are 4-credit lab classes.
● Norfolk State University: 3 semester credit hours of math and 7 semester credit hours of Natural Science.
● RUC before their integration with RU had required one math, one 4-hour (laboratory) natural science, and then “An additional course in the area of Mathematical or Natural Sciences is required.”

Additionally, the AAC&U defines scientific reasoning as “Scientific Reasoning is an adherence to a self-correcting system of inquiry and a reliance on empirical evidence to describe, understanding, predict, and control natural phenomena”. A general education format without a requirement of studying the natural sciences is in complete disagreement with this and other nationally recognized definitions of scientific reasoning and will, as stated earlier, damage the reputation of our university and its degrees.
19-20.10 Motion to Recommend the Fall 2021 Timeline for the Launch of the REAL Curriculum

Referred by Curriculum Committee

MOTION:

Faculty Senate recommends adopting the proposed fall 2021 timeline for the launch of the REAL curriculum.

Summary of Timeline for Fall 2021 Launch of REAL Curriculum

<table>
<thead>
<tr>
<th>Decision Body</th>
<th>Role</th>
<th>Timeline</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Preliminary Plan for REAL Course Designation Procedure &amp; Notice of Intent for Program Alignment</td>
<td>Department Submission</td>
<td>December 6, 2019</td>
</tr>
<tr>
<td>2. Department Curriculum Committee</td>
<td>Recommending</td>
<td></td>
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<tr>
<td>3. Department</td>
<td>Approval</td>
<td></td>
</tr>
<tr>
<td>4. Chair/Director</td>
<td>Signs on behalf of Department</td>
<td>Completed by March 15, 2020</td>
</tr>
<tr>
<td>5. For program alignment only: Chair’s Signature for courses outside of program’s department</td>
<td>Approval</td>
<td>Must be completed before proposal goes to College Curriculum Committee</td>
</tr>
<tr>
<td>6. College Curriculum Committee</td>
<td>Approval</td>
<td></td>
</tr>
<tr>
<td>7. Dean</td>
<td>Approval</td>
<td>Must be done by May 1, 2020</td>
</tr>
<tr>
<td>8. REAL Council</td>
<td>Recommends – Program Alignment Approves – Course Designations</td>
<td>Work completed over the summer.</td>
</tr>
<tr>
<td>9. Faculty Senate Curriculum Committee</td>
<td>Recommends</td>
<td>August 2020</td>
</tr>
<tr>
<td>10. Faculty Senate</td>
<td>Approval</td>
<td>October 1, 2020</td>
</tr>
<tr>
<td>11. Provost</td>
<td>Approval</td>
<td>January 2021</td>
</tr>
</tbody>
</table>

Rationale:

Completion of these steps would prepare majors, minors, and certificates for a fall 2021 launch. Initially, there is overlap between the course designation and program alignment pathways. Unshaded rows indicate overlapping steps for course designation and program alignment pathways. Shaded rows indicate those additional steps that are just for program alignment. Programs or departments joining REAL after fall 2021 would follow the same process for course designation and program alignment.

To Table of Contents
19-20.11 Motion to Recommend Adding REAL Academic Pathways

Referred by Governance Committee

MOTION:

Faculty Senate recommends adding the proposed academic pathways to the current Academic Pathways document.

RATIONALE:

The academic governance pathways must be revised to account for the REAL curriculum. These proposed revisions mirror the charges in the REAL Council proposal passed by Faculty Senate on September 26, 2019. Only those affected flowcharts are included here. The existing Academic Affairs approval flowcharts can be found using this [LINK].

Notice that the first page of the Academic Affairs approval flowcharts provides a key for flowchart elements. Bodies with decision making authority are represented with a diamond. Whereas, bodies with review and recommending authority are represented by a rectangle.
Academic Affairs approval flowcharts

Approval flowcharts for:

New, modified or discontinued courses
New, modified or discontinued majors, minors, certificates, concentrations, options, tracks
Changes requiring external review: new, significantly modified or discontinued programs, certificates
Changes in academic policies and procedures
Program proposals from the Academic Program Review Committee
Changes in the mission, framework, goals or learning outcomes of the General Education program and SCHEV mandated additional learning outcomes
Academic department: Create, rename, merge, split or realign among colleges
College: merge, split or realign departments within

Key for flowchart elements

Decision making authority

Review & recommend

Informed

Move through

Formal action

Informal action
**Curriculum Pathway:** 1. New, modified, or discontinued courses
2. Program changes (major, minors and certificates) not submitted to SCHEV

**NOTE:** Course designation decisions can be appealed to the Faculty Senate Curriculum Committee for recommendation to Faculty Senate, which has final approval.
Curriculum Pathway: New, modified, or discontinued courses not in a specific discipline, e.g. UNIV 100
Curriculum Pathway: New, modified or discontinued majors, minors, certificates, concentrations, options and/or program changes that must be submitted to REAL and/or SCHEV

Curriculum proposal

Department curriculum committee

Department Chair conveys department approval

College curriculum committee

REAL proposals

Dean

Undergraduate proposals

REAL proposals

Faculty Senate

Graduate proposals

REAL proposals

AALT

Graduate Affairs Council

Next page: changes requiring external review or approval

Provost

All other proposals

Registrar

Registrar
REAL Curriculum Changes: proposals for changes in mission, framework, goals or learning outcomes, including SCHEV mandated additional learning outcomes.
19-20-12 Motion to Recommend Change in the Bachelor of Arts and Bachelor of Science Catalog Requirements

Referred by Curriculum Committee

MOTION:

Faculty Senate recommends changing the language of the B.A. and B.S. requirements in the catalog to read:

*The Bachelor of Arts Degree and the Bachelor of Science Degree may be fulfilled through the completion of 6-8 hours of coursework housed outside the major department or school. Programs that have both B.A. and B.S. options must distinguish between B.A. and B.S. requirements. Specific requirements associated with this degree are listed in the requirements for individual majors.*

<table>
<thead>
<tr>
<th>Current Radford Catalog Language</th>
<th>DRAFT of Proposed Radford Catalog Language</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bachelor of Arts Degree</strong></td>
<td>The Bachelor of Arts Degree and the Bachelor of Science Degree may be fulfilled through the completion of 6-8 hours of coursework housed outside the major department or school. Programs that have both B.A. and B.S. options must distinguish between B.A. and B.S. requirements. Specific requirements associated with this degree are listed in the requirements for individual majors.</td>
</tr>
<tr>
<td>Completion of a minimum of two semesters of one language in a foreign/sign language program. Students will be placed in the appropriate level of their chosen language depending on their previous foreign language experience and on the placement examination results as determined by the Foreign Language department. Courses used to meet Core Curriculum requirements may not be used to satisfy the B.A. requirements.</td>
<td></td>
</tr>
<tr>
<td><strong>Bachelor of Science Degree</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Courses for B.S. Degree 6-8 credits</strong></td>
<td></td>
</tr>
<tr>
<td>Specific requirements associated with this degree are listed in the requirements for individual majors. Courses used to meet Core Curriculum requirements and/or major requirements may not be used to satisfy the B.S. requirement.</td>
<td></td>
</tr>
</tbody>
</table>

RATIONALE:

The Implementation Steering Committee recommends aligning the requirements for the Bachelor of Arts and the Bachelor of Science degrees. The decision to tackle this issue is timely as it may impact how departments revise requirements for majors, minors, and certificates as part of the proposed program alignment process for REAL.
Currently, the B.S. requirements are left to the department’s discretion. The B.A. requires 2 semesters of a Foreign Language. Over the past decade, on average, fewer than 120 students receive a Bachelor of Arts degree annually. Of those, approximately 77% of those students major in CHBS programs. In the proposed change, departments would have the discretion to shape the Bachelor of Arts requirements, similar to the Bachelor of Science program.

There is little consistency in how universities define B.A. and B.S. requirements in Virginia, with several universities not requiring any Foreign Language classes or competencies.

Note that students must have 30 unique, non-overlapping credits in order to receive both a B.A. and a B.S. in the same major. (For example, if a student would want to receive a B.A. and a B.S. in Mathematics, s/he would need 30 unique, non-overlapping major credits in Mathematics.)

To Table of Contents
19-20.13 Motion to Support Campus Sustainability

Referred by: Senator Stockton Maxwell, Geospatial Science

Motion:

The Faculty Senate requests that President Hemphill and Radford University recommit to the American College & University Presidents' Climate Commitment (ACUPCC; now called the “Carbon Commitment”) and incorporate sustainability and the Climate Action Plan into the curriculum, Campus Master Plan, and campus management activities.

Rationale:

We live in a pivotal moment in time when we have realized that human activities threaten the continued existence of humanity. The United Nations Intergovernmental Panel on Climate Change has stated with high confidence, “Human activities are estimated to have caused approximately 1.0°C of global warming above pre-industrial levels, with a likely range of 0.8°C to 1.2°C. Global warming is likely to reach 1.5°C between 2030 and 2052 if it continues to increase at the current rate.”¹ We are already witnessing impacts from climate change and the Commonwealth of Virginia will be further impacted in the decades to come. In response to this growing challenge, Governor Northam recently signed an executive order to expand access to renewable energy and support clean energy jobs of the future.²

Radford University has been a quiet leader in campus sustainability for years. For example, then-President Donald Dedmon signed the Talloires Declaration in 1993, committing the University to sustainability in both academics and operations. In 2009, President Kyle signed the American College & University Presidents’ Climate Commitment (ACUPCC).³ In doing so, the University committed to pursuing net carbon neutrality by 2040 and to providing students with the knowledge and skills necessary to meet the immense sustainability challenges of the 21st Century. Since that time our campus has engaged in several notable sustainability actions including:

- The Sustainability Steering Committee was established and developed a Climate Action Plan.⁴
- We established a campus recycling program and reduced food waste.
- We have 11 LEED (10 Gold, 1 Silver) and 7 Energy Star certified buildings on campus.
- We have incorporated sustainability-focused and sustainability-related courses across the curriculum in 86% of academic departments and established a Sustainability and Environmental Studies certificate program.
- Radford University ranked as a top Green College by the Princeton Review every year for the last 9 years.
- We recently earned a 2019 STARS Silver rating from the Association for the Advancement of Sustainability in Higher Education.⁵
In our most recent University Strategic Plan, we include sustainability as a core value, “Sustainability — We are committed to integrating sustainable practices into all aspects of our operations and engage students across the curriculum to learn, discover and contribute to positive current and future environmental solutions.” However, the plan lacks any specific achievable academic goals or areas of actions in campus planning. On some university campuses, sustainability is crucial to the recruitment and retention of students and faculty. In the 2019 Princeton Review survey of College Hopes and Worries, they reported “a majority (64%) of respondents said having information about a college’s commitment to environmental issues would contribute to their application decisions with 23% indicating it would contribute Strongly.” Students engaged in campus opportunities related to sustainability like the Sustainability Internship Program, Citizen Leader program, Radford Amazonian Research Expedition, Green Team, and Selu Garden and Service Club are more likely to be retained. Further, our society and our alumni recognize the need for our university and our state to lead on climate change.

It is time to rally around campus sustainability and become a public leader for current, past, and future generations of Highlanders! The time to act is now!

References:

1 https://www.ipcc.ch/sr15/
3 https://www.radford.edu/content/sustainability/home/aboutus.html
4 https://www.radford.edu/content/sustainability/home/initiatives/ClimateActionPlan.html
6 https://www.radford.edu/content/dam/departments/administrative/strategic-planning/UR-Strategic-Plan-121517.pdf
8 https://www.radford.edu/content/dam/departments/administrative/president/retention-summit-final-report.pdf

To Table of Contents
19-20.14 Motion to Change the T & R Handbook Language Concerning Calendar Year Faculty Appointments

Referred by: Faculty Issues Committee

Motion:

Faculty Senate approves changing the language of the T&R Handbook in Section 1.3.1.3 in regard to appointment terms.

Calendar Year Appointments
Faculty members may be assigned responsibilities that extend throughout the calendar year. Such faculty members will be on a calendar year appointment for 11 months or for 12 months with provisions for annual leave. Such terms will be set forth by appointment and reappointment letters issued to faculty members each year.

Proposed change: replace the last sentence as follows:

Calendar year T&R faculty follow the A&P Faculty Handbook leave policies unless otherwise designated in their contracts.

Rationale:

12-month T&R faculty are eligible for leave pay-out, just as AP faculty are. This change recognizes the reality of using the same process for all 12-month faculty eligible for leave pay-out. The FIC worked with HR on this proposal and has their approval for the new wording.

To Table of Contents
19-20.15 Motion to Replace Core Curriculum with Core Coursework for the 2020-2021 Catalog

Referred by: Curriculum Committee

Motion:

Faculty Senate approves the recommendation of the Core Curriculum Advisory Committee to change the following:

1. the section on Core Curriculum in the current catalog (2019-2020) be replaced with a section on Core Coursework in the next catalog (2020-2021), and

2. the REAL Council be tasked with labeling the Writing Intensive (WI) courses referenced in the proposed replacement language.

Language in the current catalog to be replaced (in red):

Requirements for All Degrees
To earn an undergraduate degree from Radford University, students must fulfill both Core Curriculum requirements and the requirements associated with a specific degree and major, as well as sufficient electives to complete the minimum semester hours required for graduation. Core Curriculum requirements are detailed below. They are followed by an outline of requirements associated with specific degrees (B.A., B.S., etc.). Details of the requirements for specific degrees and majors can be found in the department sections.

Core Curriculum Program
Radford University is committed to the development of mature, responsible, well-educated citizens. In addition to acquiring a diverse body of knowledge, RU graduates will possess a love of learning and a range of intellectual skills that enable them to meet the challenges and realize the promise of living in a complex, multicultural, and ever-changing world.

The Core Curriculum places a clear emphasis on the competencies central to a liberal arts education for the modern world. The centerpiece of this program is a common experience for all students in Core Foundations. In this required four-course sequence (12 hours), students must demonstrate competencies rooted in the principles of grammar, rhetoric, and logic – the classical education known as the trivium. The Core Curriculum also includes five required courses (16 hours) in Core Skills and Knowledge, two courses (6 hours) in National and International Perspectives, and three courses (9-11 hours) in Supporting Skills and Knowledge.

University Core
A. Core Foundations (12 hours)
CORE 101, CORE 102, CORE 201, and CORE 202
B. Core Skills and Knowledge (16 hours)
Mathematical Sciences (3)
Natural Sciences (4)
Humanities (3)
Visual and Performing Arts (3)
Social and Behavioral Sciences (3)

**College Core**
A. National and International Perspectives (6 hours)
U.S. Perspectives (3)
Global Perspectives (3)
B. Supporting Skills and Knowledge (9-11 hours)
Mathematical Sciences or Natural Sciences (3 or 4)
Humanities, Visual and Performing Arts or Foreign Languages (3 or 4)
Social and Behavioral Sciences or Health and Wellness (3)

To meet their academic needs, students in particular colleges and/or departments/schools may be limited in which courses they use to satisfy core curriculum requirements. Students should consult with their advisors for information about specific college or departmental/school requirements in these areas.

Students are advised to take CORE 101 during their first semester of enrollment or receive transfer course equivalency credit. In addition, students are advised to take University Core A courses in sequence each semester, excluding summers, until the sequence is successfully completed.

So that a student’s RU education might have as much disciplinary breadth as possible, students may apply no more than two courses to the Core Curriculum that have the same prefix as that of their major.

Students must successfully complete 43-45 hours in the Core Curriculum.

To fulfill the mission of the Core Curriculum, Radford University has designed a program with a number of general and specific learning outcomes that will be met by all undergraduate students.

**University Core A. Core Foundations**
*(12 hours required)*

Upon completion of University Core A (Core Foundations), Radford University students will have achieved competency in four key concept areas: written communications, oral communication, critical thinking, and technology/information literacy.

**Goal 1:** Radford University students will be able to prepare coherent and well-written essays that effectively integrate material from a variety of sources.

Radford University students will be able to:
- effectively synthesize and integrate arguments and information
- construct a coherent, cohesive essay with a clear sense of purpose
- show control over syntax, grammar, punctuation, and spelling to communicate in a style that is clear and appropriate for the purpose and audience of the assignment

**Goal 2:** Radford University students will be able to deliver an effective and organized oral presentation and appropriately communicate in interpersonal and small group settings.

Radford University students will be able to:
- use an effective organizational pattern in an oral presentation
- use effective delivery techniques and language in an oral presentation
- work effectively in a team environment
Goal 3: Radford University students will learn to distinguish knowledge from opinion, challenge ideas, and develop reasonable strategies for belief formation.
Radford University students will be able to:
distinguish knowledge from opinion
effectively construct an argument examining multiple sides of a complex issue
apply appropriate supporting evidence within a well-reasoned argument
Goal 4: Radford University students will be able to locate, evaluate, and cite information.
Radford University students will be able to:
appropriately use a documentation style to site other people’s work
utilize basic research techniques to locate information
critically evaluate sources using appropriate criteria

**Required (12 hours)**
All students must pass each of the following four courses, which should be completed during the student’s first four semesters:
CORE 101. Essentials of Written and Oral Communication.
CORE 102. Advanced Written and Oral Communication.
CORE 201. Topics in Critical Inquiry. (ANSC 203, MKTG 201, POSC 201, or THEA 281 may be taken in place of CORE 201)
CORE 202. Topics in Ethical Inquiry. (ART 202, PHRE 202, or POSC 202 may be taken in place of CORE 202)
Students who are in the RU Honors Academy will take these courses to fulfill University Core A:
HNRS 103. Honors Written and Oral Communication.
HNRS 201. Honors Topics in Critical Inquiry.
HNRS 202. Honors Topics in Ethical Inquiry.

**University Core B. Core Skills and Knowledge (16 hours required)**
To meet their academic needs, particular colleges and/or departments/schools may recommend that students select specific courses to satisfy University Core B requirements. Students should consult with their advisors for information about specific college or departmental/school recommendations in University Core B. Upon completion of University Core B (Core Skills and Knowledge), Radford University students will have achieved competency in five key concept areas: mathematical sciences, natural sciences, humanities, fine arts, and social/behavioral sciences.
Goal 5: Radford University students will be able to use the tools of mathematics and quantitative reasoning to conceptualize and solve problems.
Radford University students will be able to:
interpret relationships among numeric, symbolic, and graphical information as applied to the real world
solve problems using numeric, symbolic and graphical information
The following courses have been approved to meet University Core B Core Curriculum

Requirements in the Mathematical Sciences:
**Required (3 hours)**

All students must pass one of the following courses in the Mathematical Sciences:

- MATH 114. Math and Human Society.
- MATH 116. Math and Humanity.
- MATH 119. Mathematics for Biology.
- MATH 121. Math Content for Teachers I.
- MATH 122. Math Content for Teachers II.
- MATH 125. Finite Mathematics for Business and Economics.
- MATH 132. Honors Applications of Mathematics.
- MATH 137. College Algebra.
- MATH 138. Precalculus.
- MATH 168. Calculus I with Integrated Precalculus I
- MATH 169. Calculus I with Integrated Precalculus II
- MATH 171. Calculus and Analytic Geometry I
- MATH 172. Calculus and Analytic Geometry II

**Goal 6:** Radford University students will understand the methodologies of scientific inquiry, think critically about scientific problems, and apply principles of a scientific discipline to solve problems in the natural/physical world.

Radford University students will be able to:

distinguish between findings that are based upon empirical data and those that are not apply scientific principles within the context of a specific scientific discipline to solve real world problems

The following courses have been approved to meet University Core B Core Curriculum Requirements in the Natural Sciences:

**Required (4 hours)**

All students must pass one of the following courses in the Natural Sciences:

- ASTR 111. General Astronomy I.
- ASTR 112. General Astronomy II.
- BIOL 103. Environmental Biology.
- BIOL 104. Human Biology.
- BIOL 105. Biology for Health Sciences.
- CHEM 101. General Chemistry.
- CHEM 102. General Chemistry.
- CHEM 120. Chemistry of Life.
- GEOL 100. Earth Resources and Natural Hazards.
- PHYS 111. General Physics.
- PHYS 112. General Physics.
- PHYS 221. Physics.
- PHYS 222. Physics.

**Goal 7:** Radford University students will understand that human experience has given rise to significant questions and be aware of the nature and methods of inquiry in the humanities.

Radford University students will be able to:
identify principles, concepts, or developments crucial to inquiry in a humanities discipline
recognize how a method of inquiry in the humanities can be applied to a disciplinary question

The following courses have been approved to meet University Core B Core Curriculum

Requirements in the Humanities:

**Required (3 Hours)**
All students must pass one of the following courses in the Humanities:
- CLSS 110. Classical Mythology.
- CCST 110. Germanic Sagas and Myths.
- ENGL 200. Literary Texts and Contexts.
- HIST 101. World History to 1500.
- HIST 102. World History since 1500.
- PHIL 200. The Origins of Western Philosophy.
- POSC 110. Introduction to Politics.
- RELN 111. Introduction to Religion.
- RELN 112. Survey of World Religions.
- RELN 203. Sacred Texts of the West.

Goal 8: Radford University students will identify and evaluate ways in which the visual and performing arts reflect and communicate aspects of the human experience.
Radford University students will be able to:
evaluate works of art in terms of the medium’s distinctive language and terminology
identify the relationship between works of art and specific historical, cultural, and social contexts

The following courses have been approved to meet University Core B Core Curriculum

Requirements in the Visual and Performing Arts:

**Required (3 hours)**
All students must pass one of the following courses in the Visual and Performing Arts:
- ART 100. Art Appreciation.
- CVPA 266. Travel Study in Visual and Performing Arts.
- DNCE 111. Dance Appreciation.
- MUSC 100. Introduction to Music Literature.
- MUSC 121. Art of Music.
- MUSC 123. Art of Jazz.
- THEA 100. Theatre Appreciation.
- THEA 180. Introduction to World Cinema.

Goal 9: Radford University students will understand how individual, social, or cultural factors influence human behavior and shape reciprocal relationships between people and society.
Radford University students will be able to:
recognize social and behavioral science concepts
recognize the relationship between individual and socio-cultural factors that affect behaviors

The following courses have been approved to meet University Core B Core Curriculum
Requirements in the Social and Behavioral Sciences:

**Required (3 hours)**
All students must pass one of the following courses in the Social and Behavioral Sciences:
APST 200. Introducing Appalachia.
ECON 205. Principles of Macroeconomics.
ECON 206. Principles of Microeconomics.
GEOG 101. Europe and the Americas.
GEOG 102. Africa and Asia.
GEOG 103. Introduction to Human Geography.
HIST 111. U.S. History to 1865.
HIST 112. U.S. History since 1865.
POSC 120. Introduction to American Government.
PSYC 121. Introductory Psychology.
RELN 205. Religion and Culture.
SOCY 110. Introduction to Sociology.
SOCY 121. Understanding Cultures.

**College Core A. National and International Perspectives (6 hours required)**
To meet their academic needs, students in particular colleges and/or departments/schools may be limited as to which courses they use to satisfy College Core A and College Core B requirements. Students should consult with their advisors for information about specific college or departmental/school requirements in College Core A and College Core B.
Upon completion of College Core A (National and International Perspectives), Radford University students will have achieved competency in two key concept areas: U.S. Perspectives and Global Perspectives.
Goal 10: Radford University students will understand how social and cultural (for example, political, historical, economic, environmental, religious or geographic) forces shape the American experience.
Radford University students will be able to:
- explain basic facets of the American experience with attention to unity and diversity in American society
- use material studied to explain contemporary issues in the United States
- evaluate common institutions in American society and how they have affected or continue to affect, different groups

**Required (3 hours)**
All students must pass one of the following courses in U.S. Perspectives:
APST 200 - Introducing Appalachia.
ECON 101. Survey of Economics.
ECON 205. Principles of Macroeconomics.
ECON 206. Principles of Microeconomics.
ENGL 203. Readings in American Literature.
GEOG 201. North America.
GEOG 203. Appalachian Geography.
HIST 111. U.S. History to 1865.
HIST 112. U.S. History since 1865.
POSC 120. Introduction to American Government.
SOCY 110. Introduction to Sociology.

Goal 11: Radford University students will understand how social and cultural (for example, political, historical, economic, environmental, religious or geographic) forces shape experiences in the global setting.

Radford University students will be able to:

- compare and contrast different perspectives used to explain the world or international issues;
- use material studied to explain cross-cultural issues in the world;
- evaluate differences and similarities among world cultures that affect perceptions, beliefs or behaviors, and thus relationships between those cultures

**Required (3 hours)**
All students must pass one of the following courses in Global Perspectives:
ENGL 201. Readings in World Literature.
CCST 103. Trademarks in Chinese Culture.
CVPA 266. Travel Study in Visual and Performing Arts.
GEOG 101. Europe and the Americas (World Geography).
GEOG 102. Africa and Asia (World Geography).
GEOG 140. Introduction to Environmental Studies (SS).
GEOG 280. Regional Geography (SS).
HIST 101. World History to 1500.
HIST 102. World History since 1500.
INST 101. Introduction to International Studies.
ITEC 112. A Global Perspective of Information Technology.
PEAC 200. Introduction to Peace Studies.
RELN 112. Survey of World Religions.
RELN 205. Religion and Culture.
SOCY 121. Understanding Cultures.
THEA 180. Introduction to World Cinema.
WGST 200. Women in the World: Introduction to Women’s and Gender Studies.

**College Core B. Supporting Skills and Knowledge**
(9-11 hours required)
Upon completion of College Core B (Supporting Skills and Knowledge), Radford University students will have a stronger foundation in three key areas: mathematical sciences or natural sciences; humanities, visual and performing arts or foreign languages; and social/behavioral sciences or health and wellness. As part of this area, students may take a course in a foreign language or health and wellness with learning outcomes specified below.
If a foreign language is chosen to satisfy this requirement, the student will achieve a degree of competence in a foreign language and culture, and will be able to:
- demonstrate language skills appropriate to the level of study
analyze similarities and differences between their own and the target cultures
explain contemporary international issues from the perspectives of their own and the target cultures
If a health and wellness course is chosen to satisfy this requirement, the student will understand the implications of health and lifestyle choices for him/herself and society, and will be able to:
identify health-related choices that promote personal well-being and enhance the overall quality of life
analyze the relations among factors such as nutrition, stress, leisure, and health related fitness activities as they influence personal wellness
explain how personal health and lifestyle choices affect society at large
explain how social and cultural factors affect personal health and lifestyle choices

Required (3 or 4 hours)
All students must pass a second course in the Mathematical Sciences or Natural Sciences. In addition to the courses listed in these content areas in University Core B (above), students can also meet this requirement by passing:
STAT 130. Understanding Statistics in Society. or
STAT 200. Introduction to Statistics. or

Required (3 or 4 hours)
All students must pass a second course in the Humanities, Visual and Performing Arts, or Foreign Languages. In addition to the courses listed in these content areas in University Core B (above), students can also meet this requirement by passing a foreign language course:
ARAB 101 - Elementary Arabic I.
ARAB 102 - Elementary Arabic II.
ARAB 201. Intermediate Arabic I.
ARAB 202. Intermediate Arabic II.
ARAB 300. Arabic Readings and Culture.
CHNS 101. Elementary Chinese I.
CHNS 102. Elementary Chinese II.
CHNS 201. Intermediate Chinese I.
CHNS 202. Intermediate Chinese II.
FORL 100. Elementary Conversation in Critical Languages.
FREN 100. Elementary French.
FREN 300. Readings in French.
FREN 320. Topics in French Cinema.
GRMN 100. Elementary German.
GRMN 200. Intermediate German.
GRMN 210. Intermediate German.
GRMN 300. Readings in German.
LATN 101. Elementary Latin.
LATN 102. Elementary Latin.
LATN 201. Intermediate Latin.
LATN 350. Latin Literature.
RUSS 101 - Elementary Russian I.
RUSS 102 - Elementary Russian II.
RUSS 200. Intermediate Russian I.
RUSS 210. Intermediate Russian II.
RUSS 300. Readings in Russian.
SPAN 101. Beginning Spanish.
SPAN 102. Beginning Spanish.
SPAN 103. Spanish Review for Beginners.
SPAN 201. Intermediate Spanish.

**Required (3 hours)**

All students must pass a second course in the Social and Behavioral Sciences or Health and Wellness. In addition to the courses listed in these content areas in University Core B (above), students can also meet this requirement by passing a Health and Wellness course:

- HLTH 111. Personal Health.
- HLTH 200. Wellness Lifestyle.
- NUTR 214. Introduction to Nutrition.
- RCPT 200. Leisure in Contemporary Society.

**TOTAL: 43-45 Required Hours in the Core Curriculum**

Proposed language:

**Requirements for All Degrees**

To earn an undergraduate degree from Radford University, students must fulfill both Core Coursework requirements and the requirements associated with a specific degree and major, as well as sufficient electives to complete the minimum semester hours required for graduation. Core Coursework requirements are detailed below. They are followed by an outline of requirements associated with specific degrees (B.A., B.S., etc.). Details of the requirements for specific degrees and majors can be found in the department sections.

**Core Coursework (30-36 hours)**

Radford University is committed to the development of mature, responsible, well-educated citizens. In addition to acquiring a diverse body of knowledge, RU graduates will possess a love of learning and a range of intellectual skills that enable them to meet the challenges and realize the promise of living in a complex, multicultural, and ever-changing world.

Core Coursework emphasizes competencies that are central to a liberal arts education in the modern world. These are the competencies that students will need for lifelong learning and success. These courses allow students to engage in exploration and learning both within and without their majors as they pursue their educational and professional goals.
Students in particular colleges and/or departments/schools may be limited in which courses they use to satisfy Core Coursework requirements. Students should consult with their advisors for information about specific college or departmental/school requirements in these areas.

Courses taken for Core Coursework credit may not be cross credited (used to satisfy requirements in two Core Coursework categories), but courses may be cross credited to majors, minors and certificates.

Core Coursework requirements address several competency categories:

- **Foundational Writing (3 hours)**
- **Writing Intensive (6 hours)**
- **Foundational Math (3 hours)**
- **Scientific and Quantitative Reasoning (6-8 hours)**
- **Humanistic or Artistic Expression (6-8 hours)**
- **Cultural or Behavioral Analysis (6-8 hours)**

**TOTAL: 30-36 hours**

**Foundational Writing (3 hours)**
The goal of Foundational Writing is to develop students’ understanding of the principles and elements of effective written communication through applied practice, self-evaluation, and revision. Students will

- employ reading strategies to facilitate written communication;
- engage in the recursive writing process, including pre-writing, drafting, revising, editing, and proofreading to improve written communication; and
- will use appropriate vocabulary, mechanics, grammar, and style.

**Writing Intensive (6 hours)**
The goal of Writing Intensive courses is to provide students with the instruction and feedback to allow them to become more adept at producing appropriate and effective written work. Students will

- demonstrate proficiency in the writing conventions of a discipline and
- communicate through writing their understanding of disciplinary content and/or texts.

**Foundational Math (3 hours)**
The goal of Foundational Math is for students to apply the tools of mathematics to conceptualize and solve problems in everyday life. Students will

- translate information among various mathematical forms (e.g., equations, graphs, diagrams, tables, words);
- successfully solve problems using appropriate mathematical tools; and
- draw appropriate conclusions based on mathematical evidence.

**Scientific and Quantitative Reasoning (6-8 hours)**
The goal of Scientific and Quantitative Reasoning courses is for students to apply scientific and quantitative reasoning to questions about the natural world, mathematics, or related areas. Students will
- apply scientific and quantitative information to test problems and draw conclusions; and
- evaluate the quality of data, methods, or inferences used to generate scientific and quantitative knowledge.

**Humanistic or Artistic Expression (6-8 hours)**

The goal of Humanistic or Artistic Expression courses is for students to explore humanistic or artistic expression through inquiry or creativity. Students will
- demonstrate understanding of diverse ideas, languages, products, or processes of humanistic inquiry or artistic expression; and
- critically evaluate, synthesize, or create forms of human expression or inquiry.

**Cultural or Behavioral Analysis (6-8 hours)**

The goal of Cultural or Behavioral Analysis Courses is for students to examine the context and interactions of culture(s) and/or behaviors. Students will
- describe behaviors, beliefs, cultures, social institutions, and/or environments; and
- analyze the interactions of behaviors, beliefs, cultures, social institutions, and/or environments.

Courses that fulfill Core Coursework requirements:

**Foundational Writing (3 hours)*
- CORE 101. Essentials of Written and Oral Communication
- ENGL 111. Principles of College Composition

*Students in the RU Honors Academy
- HNRS 103. Honors Written and Oral Communication

**Writing Intensive (6 hours)*

Some of these courses may be restricted to certain majors or may have prerequisites. Check with your advisor.
- CORE 102. Advanced Written and Oral Communication or ENGL 112. Critical Reading and Writing in the Digital Age
- CORE 201. Topics in Critical Inquiry or ANSC 203. Bigfoot Stole My UFO!: Critically Engaging with Science, Pseudoscience, and the Paranormal or MKTG 201. Critical Inquiry in Marketing or POSC 201. Critical Inquiry in Political Science or THEA 281. Research in Theater and Film or HNRS 201. Honors Topics in Critical Inquiry

Or any course designated as WI (Writing Intensive).

*Students in the RU Honors Academy
- HNRS 201. Honors Topics in Critical Inquiry
• HNRS 202. Honors Topics in Ethical Inquiry

Foundational Math (3 hours)
- MATH 100. Foundational Math
- MATH 110. Finite Mathematics
- MATH 114. Math and Human Society
- MATH 116. Math and Humanity
- MATH 119. Mathematics for Biology
- MATH 121. Math Content for Teachers I
- MATH 122. Math Content for Teachers II
- MATH 125. Finite Mathematics for Business and Economics
- MATH 126. Business Calculus
- MATH 132. Honors Applications of Mathematics
- MATH 137. College Algebra
- MATH 138. Precalculus Function Analysis
- MATH 168. Calculus I with Integrated Precalculus I
- MATH 171. Calculus and Analytic Geometry I

Or placement in higher mathematics course or competency assessment or course deemed foundational math by the Department of Mathematics and Statistics.

Scientific and Quantitative Reasoning (6-8 hours)

MATH 114. Math and Human Society.
MATH 116. Math and Humanity.
MATH 119. Mathematics for Biology.
MATH 121. Math Content for Teachers I.
MATH 122. Math Content for Teachers II.
MATH 125. Finite Mathematics for Business and Economics.
MATH 126. Business Calculus.
MATH 132. Honors Applications of Mathematics.
MATH 137. College Algebra.
MATH 138. Precalculus.
MATH 168. Calculus I with Integrated Precalculus I
MATH 169. Calculus I with Integrated Precalculus II
MATH 171. Calculus and Analytic Geometry I
MATH 172. Calculus and Analytic Geometry II
STAT 130. Understanding Statistics in Society
STAT 200. Introduction to Statistics
STAT 219. Statistics for Biology
ASTR 111. General Astronomy I
ASTR 112. General Astronomy II
BIOL 103. Environmental Biology
BIOL 104. Human Biology
BIOL 105. Biology for Health Sciences
CHEM 111. General Chemistry I
CHEM 112. General Chemistry II
CHEM 120. Chemistry of Life
GEOL 100. Earth Resources and Natural Hazards
GEOL 105. Exploring Earth
GEOL 106. The Earth through Time
PHYS 111. General Physics I
PHYS 112. General Physics II
PHYS 221. Physics I
PHYS 222. Physics II

Humanistic or Artistic Expression (6-8 hours)
ART 100. Art Appreciation
ART 215. Art History Survey: Prehistory to Gothic
ART 216. Art History Survey: Renaissance to Contemporary
CLSS 110. Classical Mythology
CCST 110. Germanic Sagas and Myths
CVPA 266. Travel Study in Visual and Performing Arts
DNCE 111. Dance Appreciation
ENGL 200. Literary Texts and Contexts
ENGL 201. Readings in World Literature
ENGL 202. Readings in British and Commonwealth Literature
ENGL 203. Readings in American Literature
HIST 101. World History to 1500
HIST 102 World History Since 1500
MUSC 100. Introduction to Music Literature
MUSC 121. Art of Music
MUSC 123. Art of Jazz
PEAC 200. Introduction to Peace Studies
PHIL 111. Introduction: Knowledge, Reality, and the Human Condition
PHIL 112. Introduction to Ethics and Society
PHIL 200. The Origins of Western Philosophy
POSC 110. Introduction to Politics
RELN 111. Introduction to Religion
RELN 112. Survey of World Religions
RELN 203. Sacred Texts of the West
RELN 206. Survey of Religious Experiences
THEA 100. Theatre Appreciation
THEA 180. Introduction to World Cinema
ARAB 300. Arabic Readings and Culture
FREN 300. Readings in French
FREN 320. Topics in French Cinema
GRMN 300. Readings in German
LATN 350. Latin Literature
RUSS 300. Readings in Russian
WGST 200. Women in the World
### Cultural or Behavioral Analysis (6-8 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ANSC 101</td>
<td>Anthropology of the Human Past</td>
</tr>
<tr>
<td>APST 200</td>
<td>Introducing Appalachia</td>
</tr>
<tr>
<td>CCST 103</td>
<td>Trademarks in Chinese Culture</td>
</tr>
<tr>
<td>INST 101</td>
<td>Introduction to International Studies</td>
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<tr>
<td>ITEC 112</td>
<td>A Global Perspective of Information Technology</td>
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<tr>
<td>ECON 101</td>
<td>Survey of Economics</td>
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<tr>
<td>ECON 205</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Principles of Microeconomics</td>
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<td>GEOG 101</td>
<td>Europe and the Americas</td>
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<td>GEOG 102</td>
<td>Africa and Asia</td>
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<tr>
<td>GEOG 103</td>
<td>Introduction to Human Geography</td>
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<tr>
<td>GEOG 140</td>
<td>Introduction to Environmental Studies</td>
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<td>GEOG 201</td>
<td>North America</td>
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<td>GEOG 202</td>
<td>Commonwealth of Virginia</td>
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<tr>
<td>GEOG 203</td>
<td>Appalachian Geography</td>
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<td>GEOG 280</td>
<td>Regional Geography</td>
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<tr>
<td>HIST 111</td>
<td>U.S. History to 1865</td>
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<td>HIST 112</td>
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<td>Introductory Psychology</td>
</tr>
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</tr>
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<td>SOCY 121</td>
<td>Understanding Cultures</td>
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<td>PEAC 200</td>
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</tbody>
</table>

**RATIONALE:**

I. The proposed Common Coursework (aka “the bridge” or the “skinny Core”) will facilitate the teach-out of the Core Curriculum in several ways.

1. First, it will reduce by one incoming class the number of students who will be required to take the current four-course CORE sequence while at the same time still requiring those students to complete nine hours of coursework that provide opportunities for guided writing.

2. Second, students who entered under the 2019-2020 catalog may be advised to opt for graduation under the 2020-2021 catalog when feasible. Students opting to graduate under the 2020-2021 catalog would likewise not need to complete the four-course CORE sequence.
II. The reduction in the number of sections of CORE 201 and CORE 202 resulting from the above will alleviate staffing issues.

III. The proposal will allow for the piloting of Writing Intensive courses. Sections of CORE 201 and CORE 202 will still be taught, allowing for some Writing Intensive courses to be rolled out but not necessitating the simultaneous rollout of all WI courses.

IV. The reduction of general education hours from 43-45 to 30-36 will benefit students who going forward will need to pay surcharges per credit hour for course loads above 16 credits.

V. It is likely that students from at least one college will not be able to begin participating in the REAL program by the fall of 2021. The catalog language proposed in this motion could be left in place in the 2021-2022 catalog for that college even as the REAL model is specified for students in other colleges.

VI. Regarding oversight of the Writing Intensive (WI) courses: There are currently two academic governance bodies with oversight over general education: the Core Curriculum Advisory Committee (CCAC) and the REAL Council. CCAC will soon be a redundant body. Moreover, CCAC has never had responsibility for WI courses, but the REAL Council will have such responsibility. Therefore the most appropriate body to have oversight over the WI courses for the 2020-2021 catalog is the REAL Council.

Approved by CCAC October 29, 2019
19-20.16 Motion to Revise the Faculty Morale Survey

Referred by: Campus Environment Committee

Motion:

The Faculty Senate approves the revised Faculty Morale Survey which shall be distributed in the Spring of 2020.

Rationale:

The Faculty Morale Survey has been revised by the Campus Environment Committee to improve the clarity of certain questions and to reflect the addition of the RU Carilion, Roanoke campus. A selection of “Prefer not to answer” has been added to each question. The revised survey and a list of changes can be found in the Appendix in the motion book.

See supporting documents on the Faculty Senate Website (Motions page).
19-20.17 Motion Concerning REAL Course Designation

Referred by: Curriculum Committee

Motion:

Within the REAL Curriculum, course designation is limited to one R, E, A, or L area.

Rationale:

This rule is necessary in order to ensure compliance with the REAL model rule that allows courses to fulfill only one REAL area within a student’s program of study and ensures the success of the launch of the new general education curriculum.
19-20.18 Motion to Rename the Department of Information Technology

Referred by: Curriculum Committee

Motion:

The Faculty Senate supports designating the Department of Information Technology as a school within the Artis College of Science and Technology and changing its name to the School of Computing and Information Sciences.

Rationale:

A. Unit Complexity

The department of Information Technology has three undergraduate degrees spanning eight concentrations, an undergraduate certificate in Information Security, a masters program in Data and Information Management, and the Applied Research Center.

Designation as a school would provide the ability to continue functioning as a large but cohesive unit in maintaining, adapting, and growing these programs, as compared to dividing the unit into multiple departments.

B. Improved Profile

Designation as a school would also allow the Department of Information Technology to improve its profile. The designation of being a School, and a new name, will be more in line with current the complexity of the department and the name will better match the programs available in the school. Programs named Information Technology generally do not include Computer Science programs or the range of programs available in the current Department of Information Technology.

C. Strong Professional Orientation

One characteristic of an academic unit that has historically led to organization as a school is strong professional organization within the discipline the academic unit serves. This is the case in Information Technology. Professional certifications exist in most of the sub-disciplines such as database administration, computer networking, and software engineering. The I.T. faculty and leadership at Radford University enjoy strong ties with industry. I.T. managers and recruiters are frequent visitors to Radford's campus and R.U. faculty are frequently out in industry visiting with their professional counterparts to access new developments in tools and techniques. R.U. information technology students are among the most involved on campus in terms of part time employment, summer employment, and internships in their future profession.

Budget implication:

The primary fiscal impact of this change would be $2,000/yr for increasing the stipend for a
department chair to that of a school director. In addition, there would be modest one-time fees associated with such a name change (new stationery, updating web pages, etc.).