

Curriculum Senate Report – March 5, 2021

Prepared by Marci Carrasquillo on behalf of the Senate Curriculum Committee

The following major proposals from the College of Engineering are being submitted for Senate Approval:

Proposal #	Department	Process Type	Proposal
5601632	Mechanical Engineering	New Degree/Program	Certificate of Undergraduate Study (CUGS) in Advanced Engineering Materials https://onbase.rowan.edu/AppNetForms/docpop/docpop.aspx?docid=5601632&chksum=b2436faa3495aedf8400c0b1d0aa836f0fb99f12a2b1c42e42b2c7ef1d03cf56 Lead Sponsor: Wei Xue
<p>The proposed 12 s.h. certificate “will allow students to increase the depth and breadth of knowledge in materials for engineering, especially mechanical engineering, applications. The CUGS will offer students an opportunity to learn critical material properties, processes, characterization, and applications in engineering materials. This CUGS aligns with the mission of the university for continuously advancing research and education in critical, fast-growing areas with high demands and great opportunities. The proposed CUGS addresses several high-priority areas for the region, including smart materials, additive manufacturing, and advanced characterization methods. It will also help the College of Engineering, including the Department of Mechanical Engineering, to attract students who are interested in materials research and education. [...] This CUGS will be attractive to students who already have fundamental knowledge in Mechanical Engineering and/or Chemical Engineering, but may need additional skills and formal education in the field of engineering materials. It will also allow students to learn in-depth knowledge of a wide variety of engineering materials such as composites, nanomaterials, energy materials, and the latest materials used in additive manufacturing. Completion of this CUGS will provide students with the necessary knowledge and skills required by the interdisciplinary field of materials science and engineering, which is one of the fastest growing sectors today and for the foreseeable future. We therefore anticipate that the students with this CUGS will be career-ready and in high demand by the industry upon completion.”</p>			

Proposal #	Department	Process Type	Proposal
5612902	Civil and Environmental Engineering	New Degree/Program	Certificate of Graduate Study (COGS) in Transportation Engineering https://onbase.rowan.edu/AppNetForms/docpop/docpop.aspx?docid=5612902&chksum=60484c6fb7f5af71836d679ee19e124fcaccb285af2f830976c806d390b0a7a8 Lead Sponsor: William Riddell
<p>“Undergraduate students regularly express interest in working full time and pursuing a part time coursework-only MS degree after completing their BS degree. However, the pace of part-time graduate study in engineering is typically 2 courses per year (1 per semester), meaning a part time, coursework only MS degree will take five years to complete. The proposed [12 s.h.] COGS provides a viable credential that can be obtained through part time study in two years. We feel the intermediate goal will encourage students to a) start part time graduate study immediately upon graduation, and b) choose to study at Rowan as opposed to other nearby programs such as Drexel. Four additional courses in a focused topic will make students more valuable to employees by increasing the range of projects they can work on or lead due to specific topics as well as a larger theoretical background in the subject matter at large.”</p>			

The following major proposals from the College of Humanities and Social Sciences are being submitted for Senate Approval:

Proposal #	Department	Process Type	Proposal
5583128	History	New Degree/Program	[Undergraduate] Concentration in in Global Security https://onbase.rowan.edu/AppNetForms/docpop/docpop.aspx?docid=5583128&chksum=ec491bb08081f6863e23adfd65cdaf1d32d5f9450f0650507c961a2e94659ab7 Lead Sponsor: Kelly Duke Bryant
<p>The proposed 15 s.h. “concentration in Global Security will focus on the interrelated issues of health, environment, and disaster response. To complete the concentration, students will take courses that approach these issues from a variety of disciplinary perspectives. They will wrestle with problems including climate change, resource depletion, environmental degradation, emerging infectious disease, epidemics and pandemics, natural and humanitarian disasters, and migration, to name a few. Significantly, the thematic strengths of the proposed Global Security concentration are in many ways non-traditional, and depart from the more usual study of International Security, which focuses on causes of war, ethnic conflict, United Nations and international peacekeeping, and the role of international institutions in building peace. The concentration will likely attract International Studies majors who want to learn about global security issues and potential solutions including, but not limited to, war and peace.”</p>			

Proposal #	Department	Process Type	Proposal
5583129	History	New Degree/Program	Certificate of Undergraduate Study (CUGS) in Global Security Studies https://onbase.rowan.edu/AppNetForms/docpop/docpop.aspx?docid=5583129&chksum=ca5feac8ffa03e92650bc0fd2cd9ec7b14c5ee0290e5df261a98afb7c21e4ba5 Lead Sponsor: Kelly Duke Bryant
<p>“[T]he proposed [12 s.h.] CUGS in Global Security Studies will introduce students to the traditional field of International Security, which focuses on causes of war, ethnic conflict, the United Nations and international peacekeeping, and the role of international institutions in building peace. And significantly, it will broaden this traditional approach by inviting students to explore the interrelated issues of health, environment, and disaster response. To complete the CUGS, students will take courses that approach these issues from several disciplinary perspectives. They will wrestle with problems including warfare, terrorism, natural and humanitarian disasters, climate change, environmental degradation, and epidemics and pandemics, to name a few. The CUGS will attract students who are concerned about finding creative solutions to global problems. It overlaps with, but does not duplicate, the proposed International Studies major concentration in Global Security, and will therefore be positioned to draw students into the major via their interest in these global issues. And it will be available to matriculated and non-matriculated students alike.”</p>			

The following major proposals from the **College of Humanities and Social Sciences** are being submitted for Senate Approval:

Proposal #	Department	Process Type	Proposal
5583634	Sociology and Anthropology	New Degree/Program	Certificate of Graduate Study (COGS) in Social Change and Social Movements https://onbase.rowan.edu/AppNetForms/docpop/docpop.aspx?docid=5583634&chksum=52d437117ce150ae413c823786fee7fb9235ffb394c36d568d9111f5c5d9dcae Lead Sponsor: Harriet Hartman
<p>“Social movements develop and influence law and public policy, public discourse and culture, the use and design of public/private spaces and socio-economic and racial outcomes. Students in this [12 s.h.] certificate program will study the key areas of social changes and the social movements resulting from and influencing them in systematic ways, using the lenses of sociological theoretical models and systematically analyzed evidence. The result will be a high-level understanding of the implications of wider social and political changes at a global level, which affect local conditions and capacities, as well as the capacity for collective action to produce positive as well as negative results. Students will explore how change is catalyzed by social movements, protest, law, social entrepreneurship, activism and community organizing. Through the exploration of theories and research related to social change, students are able to augment their disciplinary degrees and be prepared to contribute as leaders and change-makers in their communities—from the organizational level through national and global levels.”</p>			

The following major proposals from the **College of Science and Mathematics** are being submitted for Senate Approval:

Proposal #	Department	Process Type	Proposal
5471566	Computer Science	Quasi-Curricular	Quasi-Curricular Proposal to Change the Name of an Existing Degree/Program: from “COGS in Cybersecurity” to “Cybersecurity Architecture” https://onbase.rowan.edu/AppNetForms/docpop/docpop.aspx?docid=5471566&chksum=eb22fb94f5718b63a20cb9b341ca95bf47c8a44d5fe29ad490e4fd350504335 Lead Sponsors: Jack Myers
<p>“Since we have developed the MS in Cybersecurity and the corresponding COGS in Cybersecurity principles, we wish to rename this COGS so that it is more distinguishable from our other Cybersecurity COGS. Since the COGS focuses on the technical architectures of cybersecurity, we would like to rename it to Cybersecurity Architecture.”</p>			

The following major proposals from the **School of Health Professions** are being submitted for Senate Approval:

Proposal #	Department	Process Type	Proposal
5606597	Nursing	New Degree/Program	<p style="text-align: center;">Certificate of Undergraduate Study (CUGS) in Holistic Nursing Practice https://onbase.rowan.edu/AppNetForms/docpop/docpop.aspx?docid=5606597&chksum=e428fb6a84ab3e4e1c9fc7f96e012faef0edb3e2de0c617f8822993e6e65d7c9 Lead Sponsor: Carmen McDonald</p>
<p>The proposed 12 s.h. CUGS “curriculum focus is founded on the scope and standards of the specialty practice of holistic nursing. Holistic Nursing: Scope and Standards of Practice, 3rd Edition (2018) reflects a consensus of the most current thinking in the specialty and provides a blueprint for holistic nursing philosophy, theory, principles, education, research, and practices. The certificate program incorporates all of the foundational philosophical beliefs, theories, and practices in addition to new developments and advancements in the field of holistic nursing. The four courses in the program for holistic nursing provide the learners with a foundation of theoretical knowledge for the specialty and key resources as a preparation of the national certification examination as an option if they wanted to do so. [...] The core values and essentials for the practice of holistic nursing included in this program teaches nurses how to apply evidence-based concepts and approaches into professional nursing care for individuals, families, groups, and populations. According to the American Holistic Nursing Association, it is expected that the Holistic Nursing Specialty will grow nearly 20% by 2023. Despite this, this specialty is not typically covered in standard nursing programs.”</p>			