

**BOARD OF REGENTS and its
ACADEMIC, RESEARCH AND STUDENT AFFAIRS COMMITTEE
NEVADA SYSTEM OF HIGHER EDUCATION**

Rogers Student Center, Innovation Commons RSC-236

Nevada State College

1300 Nevada State Drive #300, Henderson

Thursday, February 28, 2019

Members Present: Mrs. Cathy McAdoo, Chair
Dr. Patrick R. Carter
Mr. Sam Lieberman
Ms. Laura E. Perkins

Members Absent: Mr. Rick Trachok, Vice Chair

Other Regents Present: Dr. Jason Geddes

Others Present: Ms. Crystal Abba, Vice Chancellor, Academic & Student Affairs
Mr. Joe Reynolds, Chief General Counsel
Ms. Renee Davis, Assistant Vice Chancellor and Director of Student Affairs
Mr. Theo Meek, Research Scholar
Mr. David Singleton, Transfer and Articulation Ombudsperson
Dr. Kristen Averyt, President, DRI
Ms. Joyce M. Helens, President, GBC
Dr. Karin M. Hilgersom, President, TMCC
Dr. Vincent R. Solis, President, WNC

Faculty senate chairs in attendance were: Dr. Darin Dockstader, CSN; Mr. Jinho Jung, GBC; Dr. Abby Peters, NSC; Ms. Janet Stake, System Administration; and Ms. Terina Caserto, UNR. Student body presidents in attendance were: Ms. Tamara Guinn, UNR-GSA and Mr. Dimitrie Suci, WNC.

For others present, please see the attendance roster on file in the Board office.

Chair Cathy McAdoo called the meeting to order at 9:00 a.m. with all members present except Vice Chair Trachok and Regent Perkins.

1. Information Only-Public Comment – None.
2. Approved-Consent Items – The Committee recommended approval of the following consent items:
 - (2a.) Approved-Minutes – The Committee recommended approval of the minutes from the November 29, 2018, meeting (*Ref. ARSA-2a on file in the Board office*).

- (2b.) Approved-UNLV/UNR, Elimination of the Doctor of Philosophy in Public Health Collaborative Program – The Committee recommended approval of UNLV and UNR’s request to eliminate the collaborative doctoral program in public health that was approved by the Board in 2008, when neither institution had the faculty members or adequate resources to offer an independent doctoral program. Both UNLV and UNR now have active Ph.D. programs in public health, and these programs at each institution will remain active and independently administered (*Ref. ARSA-2b on file in the Board Office*).

Regent Lieberman moved approval of the consent items. Regent Carter seconded. Motion carried. Vice Chair Trachok and Regent Perkins were absent.

3. Approved-Regents’ Awards – The Committee recommended approval of the following nominations for 2019 Regents’ awards (*Ref. ARSA-3 on file in the Board Office*).

a. Nevada Regents’ Creative Activities Award

Micaela Rubalcava, TMCC - (Community College)

Linda Lister, UNLV - (University, State College)

b. Nevada Regents’ Teaching Award

Diane Hardgrave, CSN - Tenured/Tenure Track (Community College)

Miriam Melton-Villanueva, UNLV - Tenured/Tenure Track

(University, State College & DRI)

Jennifer Hollander, UNR - Not Tenured/Tenure Track

(University, State College & DRI)

c. Nevada Regents’ Academic Advisor Awards

Staci Miller, TMCC - (Community College)

Ivy Chin, UNR - (Undergraduate – Universities, State College)

Debra Martin, UNLV - (Graduate – Universities, State College & DRI)

d. Nevada Regents’ Researcher Awards

Jeffrey Harper, UNR - Distinguished Career Researcher

Brian Hedlund, UNLV - Mid-Career Researcher

e. Nevada Regents’ Rising Researcher Award

Zhaohuan Zhu, UNLV

Yu Yang, UNR **misprinted on agenda as Yang Yu*

Monica Arienzo, DRI

Regent Lieberman moved approval of the nominations for 2019 Regents’ Awards. Regent Carter seconded. Motion carried. Vice Chair Trachok and Regent Perkins were absent.

4. Approved-UNR, Program Proposal, Master of Science in Biostatistics – The Committee recommended approval of UNR’s request for a Master of Science in Biostatistics to train students to conduct quantitative analysis in public health, medicine and biology. The creation of the program responds to a high demand for biostatisticians in public health organizations, government agencies, pharmaceutical and biotechnology companies, medical institutes and private industries (*Ref. ARSA-4 on file in the Board Office*).

Dr. Kevin Carman, Executive Vice President and Provost, UNR, presented the proposal for a Master of Science in Biostatistics to be delivered through the UNR School of Community Health Sciences. This is a high demand, specialized statistics program with specific expertise in public health. The program compliments but is not redundant with the MS in Statistics and Data Science.

In response to a question from Regent Carter. Provost Carman confirmed that the MS in Biostatistics is a stand-alone degree with specific career opportunities, students are not required to continue to a doctoral program.

Regent Carter moved approval of UNR’s request for a MS in Biostatistics. Regent Lieberman seconded. Motion carried. Vice Chair Trachok and Regent Perkins were absent.

5. Approved-UNR Program Proposal, Master of Science in Statistics and Data Science – The Committee recommended approval of UNR’s request for a Master of Science in Statistics and Data Science in response to the high demand for professionals in this field in industrial, government or research careers. The program will provide training in the fundamental concepts and methodology of statistics and practical training in the modern computational methods of data science (*Ref. ARSA-5 on file in the Board Office*).

Provost Carman presented the proposal for the Master of Science in Statistics and Data Science. A PhD program in Statistics and Data Science (SDS) was previously approved and at the time only a MS in Mathematics with a statistics concentration existed. Best practices dictate that a PhD program should have an associated master’s degree program for students who choose to pursue the MS on the way to the PhD or choose the master’s in lieu of completing the PhD. There are excellent career opportunities across many fields for graduates with this degree and the program has a high demand.

In response to a question from Regent Carter, Provost Carman clarified that although the MS program partners with the previously established PhD program, it is a stand-alone degree that provides unique career opportunities for graduates. In addition, the program is projected to continue to grow and increase enrollment through demand from students pursuing degrees within mathematics and statistics as well as students and professionals in other fields, that will find that statistics background beneficial to their field.

5. Approved-UNR Program Proposal, Master of Science in Statistics and Data Science – (continued)

Regent Perkins entered the meeting.

Regent Carter moved approval of UNR's request for a MS in Statistics and Data Science. Regent Lieberman seconded. Motion carried. Vice Chair Trachok was absent.

6. Approved-CSN – Program Proposal, Associate of Science in Dental Science – The Committee recommended approval of CSN's request for an Associate of Science in Dental Science to provide students a streamlined pathway to applying for bachelor programs in dental hygiene or for employment in a dental office or the dental marketing industry (Ref. ARSA-6 on file in the Board Office).

Mr. James McCoy, Associate Vice President of Academic Affairs, CSN, presented the proposal for the AS in Dental Science. The program will be offered as a stackable credential for students transitioning to the BS in Dental Hygiene as well as a stand-alone degree for students who do not ultimately enter the BS in Dental Hygiene.

Regent Lieberman praised the program as a great pathway for students interested in the Dental program.

Regent Lieberman moved approval of CSN's request for an AS in Dental Science. Regent Perkins seconded. Motion carried. Vice Chair Trachok was absent.

7. Approved-TMCC – Program Proposal, Bachelor of Applied Science in Cyber-Physical Manufacturing – The Committee recommended approval of TMCC's request for a Bachelor of Applied Science in Cyber-Physical Manufacturing to prepare students for jobs in the advanced manufacturing sector. Automation and robotics and the related processes provided by this program will train students for jobs in the advanced manufacturing sector (Ref. ARSA-7 on file in the Board Office).

Dr. Marie Murgolo, Vice President of Academic Affairs, TMCC, presented the proposal for the Bachelor of Applied Science in Cyber-Physical Manufacturing.

The unique program is one of only five programs in the country and is the only cyber-physical manufacturing lab in the state. The BAS will provide a four-year option to complement the AAS and Certificate programs. The program uses the framework of Industry 4.0 and local industry partners to provide a worthwhile experience for students. This program will highlight the state of Nevada as the place to expand and grow advanced manufacturing.

7. Approved-TMCC – Program Proposal, Bachelor of Applied Science in Cyber-Physical Manufacturing – (continued)

In response to a question from Regent Perkins about the number of projected students for the program, Dr. Murgolo stated that although conservative numbers of proposed students are stated in the proposal, a growing trend from about 200 to about 500 students is expected. Interest has continued to increase since the announcement of the proposed program.

In response to a question from Regent Carter, Dr. Murgolo noted that there are already credentialed faculty available and ready to teach thanks to the AAS and Certificate programs.

Regent Carter moved approval of TMCC's request for a BAS in Cyber-Physical Manufacturing. Regent Perkins seconded. Motion carried. Vice Chair Trachok was absent.

8. Information Only-Complete College America Momentum Pathways Grant – Associate Vice President of Academic Affairs James McCoy, College of Southern Nevada, provided an overview of the work that has been done with the technical assistance of Complete College America on the Momentum Pathways Grant awarded to the College of Southern Nevada, Nevada State College and University of Nevada, Las Vegas (Ref. ARSA-8 on file in the Board Office).

Mr. McCoy presented a Guided Pathways approach to increase student success and close achievement gaps. This approach recognizes the challenges to student success and the reasons students get off track. The overall goal of the program is to increase completion of credentials of value in Nevada. Completion will be facilitated using Guided Pathways for students. In addition to the Guided Pathways, issues with curriculum including pre-requisites and General Education requirements must be dealt with using policy change geared toward student success.

- Guided Pathways
 - Purpose First Planning
 - Meta Majors
 - Math and English Remediation Reform
 - Supplemental Instruction
 - 15 to Finish and Scheduling
 - Academic Maps
 - Proactive Advising and Early Alerts
 - Mentoring and Non-Academic Obstacles

Great progress has already been made toward these goals. The benefits of the Guided Pathways approach have and will continue to be seen by students, faculty, staff and

8. Information Only-Complete College America Momentum Pathways Grant – (continued)

workforce partners. In addition, the program has already received national recognition as a Lumina Talent Hub and Complete College America Pathways Region. Support for the program has included grant funding and professional development opportunities for staff and faculty.

Input was sought from all sectors of the Southern Nevada educational community with institutional planning and implementation teams consisting of senior college leadership, math and English faculty, faculty leadership, key staff members, and Southern Nevada community leaders. Communication and marketing are significant components of the program.

Assessment of the Momentum Strategies is done using key performance indicators.

- Leading Indicators (Early Momentum Metrics)
 - Percentage of students who attempted 15/30 credits in one term/year
 - Percentage of students who passed college level English and/or math in one year
 - Percentage of students who passed at least nine college credits in the student's field of study in year one
 - Percentage of students who persisted from term one to term two and year one to year two
 - Total college credits attempted each semester/year
 - Total college credits completed each semester/year
 - Course pass rate of C- or better

Regent Lieberman praised the program for its progress toward the state's strategic goal.

In response to a question from Regent Carter regarding how key performance indicator data is collected, Mr. McCoy clarified that the data is collected at the cohort level and then the institutions can disaggregate the data down to a more granular level. For the Guided Pathways program the macro level of data is the most useful but the institutions have the data available if a more micro level of analysis is desired.

In response to a question regarding scheduling and online courses, Mr. McCoy noted that increasing online offerings is important but online students must also be supported for success. Specific online orientations and online assessments are necessary for student success.

9. Approved-Handbook Revision, Development of Baccalaureate Degree Proposals at the Community Colleges: Review by the Council of Presidents – The Committee recommended approval of a revision to Board policy (Title 4, Chapter 14, Section 9)

9. Approved-Handbook Revision, Development of Baccalaureate Degree Proposals at the Community Colleges: Review by the Council of Presidents – (continued)

governing the process for developing initial proposals for baccalaureate degrees at the community colleges. The policy revision requires that the Chancellor submit the Council's recommendations to the community college for consideration and clarifies that review by the Council of Presidents of initial proposals for Bachelor of Applied Science degrees is not required (*Ref. ARSA-9 on file in the Board Office*).

Vice Chancellor Abba provided a brief review of the proposed *Handbook* revision. Vice Chancellor Abba noted that BAS degrees are four-year occupationally specific degrees that respond to workforce needs and are specific to community colleges. As such, these degrees should be exempted from the required approval of the Council of Presidents, as similar degrees are not generally offered by four-year institutions. The original intent for required approval was to ensure that baccalaureate programs at community colleges were not more appropriate at the university level. As BAS programs are community college-specific, the approval is unnecessary.

In response to a question from Regent Carter asking if the proposed change was taken to the Council of Presidents, Vice Chancellor Abba noted that the request came from the Council of Presidents, with its full support after the recent approval of the BAS in Cyber-Physical Manufacturing.

Regent Carter moved approval of the proposed *Handbook* revision as presented. Regent Lieberman seconded. Motion carried. Vice Chair Trachok was absent.

10. Approved-Report and Recommendations, 2018 Transfer and Articulation Audit – The Committee recommended approval of the report and recommendations from phase two of the Transfer and Articulation Audit. Phase two follows the recommendations of the initial report presented to the Committee in June 2016 to review the status of transfer agreements between NSHE institutions for compliance with Board policy (*Refs. ARSA-10a and ARSA-10b on file in the Board Office*).

Vice Chancellor Abba presented historical background for the report, citing the need for the 2015-2016 audit and the improvements and progress made in the 2018-2019 audit.

2018-2019 Audit:

Transfer agreements for every regional bachelor's degree program were reviewed for compliance with Board policy. Over 350 agreements were reviewed. Each transfer agreement was checked to ensure it included a year-by-year course outline where the first two years result in an associate degree.

Ideally the agreement would result in no loss of credit upon transfer. The labor-intensive review showed that 76% of Transfer Agreements followed Board policy but

10. Approved-Report and Recommendations, 2018 Transfer and Articulation Audit – (continued)

that 24% resulted in loss of credit (2%) or no earned associate degree (22%).

Although some transfer agreements were not compliant with Board policy, there was a clear understanding of the issues among the institutions, and a plan is in place to update those transfer agreements.

Audit findings also showed that technical degrees, like engineering, will need further review to achieve compliance. Education degrees are another area that will require further analysis and collaborative effort to achieve compliance.

Vice Chancellor Abba recommended that the audit be repeated to ensure full compliance of all regional transfer agreements. The 2019-2020 audit would commence in summer 2019.

Regent Lieberman moved approval of the 2018 Transfer and Articulation report and recommendations. Regent Carter seconded. Motion carried. Vice Chair Trachok was absent.

Vice Chancellor Abba noted that the Request for Review policy (*Title 4, Chapter 16, Section 14*) that was adopted in March 2018 is scheduled for periodic reporting. As of January 29, 2019, no requests for review have been submitted, to the System Office, for the review of the articulation of individual courses.

11. Information Only-New Business – Regent Carter requested a review of benchmark data to be used in the Complete College America Momentum Pathways grant project.

12. Information Only-Public Comment – Dr. Sondra Cosgrove, Professor of History, CSN, spoke about her faculty experience with the Complete College America program. Dr. Cosgrove expressed disappointment with the lack of collaboration with faculty and urged the Board and Committee to verify the information they receive regarding program implementation with the respective institutional faculty.

The meeting adjourned at 10:25 a.m.

Prepared by:

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Submitted for approval by:

Dean J. Gould
Chief of Staff and Special Counsel
to the Board of Regents

Approved by the Board of Regents at its June 6-7, 2019, meeting.