

2023 ColoMATYC Conference

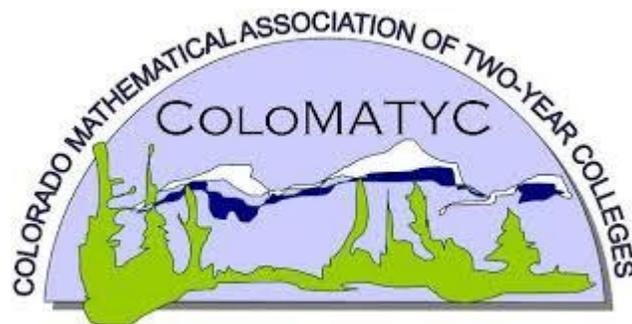
Red Rocks Community College

Lakewood, CO

April 7, 2023



RED ROCKS
COMMUNITY COLLEGE





Keynote Speaker

Dr. Monique Snowden

CU Denver

Senior Vice Chancellor for Strategic Enrollment and Student Success

SEM and (Mis)Guided Pathways: At the Crossroad of Institutional Readiness and Student Preparedness

Strategic Enrollment Management (SEM) is a “comprehensive process designed to help an institution achieve and maintain the optimum recruitment, retention, and graduation rates of students, where ‘optimal’ is defined within the academic context of the institution.” Guided Pathways (GP) is one of the most fundamental SEM practices for retention, persistence, and completion initiatives. GP and SEM imperatives share a common vision of increasing student success via closing access and attainment equity gaps. Furthermore, GP and SEM employ complementary elements of design and implementation—particularly in terms of lessening the adverse impact of high DFW courses on student success. While deemed necessary, do institutional math pathways sufficiently attend to equity-based advances in students’ college-level math success? This presentation aims to stimulate dialogue on the teaching and learning efficacy of math pathways.

About Monique L. Snowden, Ph.D.

Monique L. Snowden, Ph.D., is senior vice chancellor for strategic enrollment and student success at University of Colorado Denver (CU Denver) and professor adjoint in the Department of Communication. She began her professional career as a software developer and business consultant for a global information technology and solutions firm. Prior to joining CU Denver, Dr. Snowden held senior administrator positions at Texas A&M University, Northwestern University, and most recently served as provost & senior vice president at Fielding Graduate University in Santa Barbara, CA.

Dr. Snowden has more than 25 years of higher education experience, with strong knowledge and expertise in advancing the strategic implementation and utilization of technology and leveraging analytics for student and organizational success. She is a 2015 – 2016 American Council on Education (ACE) Fellow. Dr. Snowden is a Commissioner on the WASC Senior College and University Commission and former vice president for access and equity on the Board of Directors for the American Association of Collegiate Registrars and Admissions Officers (AACRAO). She is teaching faculty for the University of Southern California’s Equity Institutes; frequent writer and presenter on learner-centered strategic enrollment management and the enrollment logics that guide higher education SEM practice; founding editorial board member of *Strategic Enrollment Management Quarterly* (SEMQ); and currently serves on the editorial boards for *College & University* journal and *NACADA Journal*. She served as co-editor and author for the *Handbook of Online Learning in Higher Education*.

Dr. Snowden holds a BBA in Business Analysis, MS in Management Information Systems, and PhD in (Organizational) Communication from Texas A&M University’s main campus. She is also a certified PMI Project Management professional (PMP).

Special Guest Speaker



Dr. Landon Pirius
Vice Chancellor for Academic & Student Affairs
Colorado Community College System

About the Speaker

Landon K. Pirius is the Vice Chancellor for Academic and Student Affairs for the Colorado Community College System (CCCS). Landon serves as the Chief Academic Officer for the Colorado Community College System providing strategic leadership related to all aspects of academic affairs, student affairs, and institutional research. Landon also provides leadership and coordination among college Presidents and college Vice Presidents, and works closely with other System and college staff to improve, expand, evaluate and promote academic and student affairs leadership resulting in excellence in teaching, learning, thinking, experiencing, and succeeding for all students. Landon leads diversity, equity, and inclusivity initiatives aimed at exceptional teaching and learning.

Prior to his current position, Landon was the Vice President for Academic and Student Affairs at North Hennepin Community College in Minnesota where he was committed to building a collaborative culture of student success, data-driven decision-making, strategic planning, and continuous quality improvement. Landon also served in a variety of leadership roles at Inver Hills Community College, Minnesota State University, Mankato, and Walden University, and as an adjunct faculty member at different institutions. Landon completed his undergraduate degree in Russian Studies and Environmental Studies from Gustavus Adolphus College, and his M.A. and Ph.D. in Educational Policy and Administration from the University of Minnesota. His focus in graduate school was on comparative and international development education. In his free time, Landon enjoys spending time with his family, obstacle course racing, cooking, gardening, traveling, and playing video games.

This session focuses on the development of three consortia within the Colorado Community College System – Colorado Online, Rural College Consortium, and the Colorado Skills Institute. All three consortia aim to expand and ensure equitable access to high quality courses, programs, and support services regardless of the student's geographic location, or the small size and limited resources of the college. In addition, these three consortia have the goal to grow enrollment, provide fully online credentials, increase net revenue, and ensure college sustainability well into the future.

Conference Schedule

April 6 Thursday Night Social Gathering

Yard House 6-8pm

14500 W Colfax Ave, Lakewood, CO 80401

- Come enjoy dinner or just drinks with us the night before the conference.
- Food and drinks from Yard House are not included in the registration fee.

April 7 Friday Conference Schedule

8:00-9:30 am	Registration in Grand Foyer		
8:30-9:00 am	Breakfast in the Community Room from 8:30-9:00 am		
9:00-10:00 am	Welcome by Dr. Haney and Keynote Speaker - Dr. Snowden in the Community Room		
10:00-11:00 am	Special Guest Speaker Landon Pirius		
Concurrent Sessions			
Room	2304	2305	2307
11:10-12:00	Meeting Students Where They Are Post-Pandemic	Coreq Success Analysis: Evaluating the success of College Algebra co-req labs	CCCS MAT Discipline: Where We've Been and Where We're Heading
12:00-1:00 Lunch, Awards & Business Meeting in the Community Room			
Room	2304	2305	2307
1:00-1:50	MyOpenMath: A free and open online assessment system	Workshop: A Multimodal Approach for Accessible Math Materials	Chubby Bunny & Halloween Candy
2:00-2:50	The Delta Math Platform for College Alg, Trig, and Pre-Calc	Workshop: A Multimodal Approach for Accessible Math Materials (cont.)	Data Science @ Red Rocks
3:00-3:50	CalcPlot3D: An Aid to Visualization in Calculus	Activities for an Engaging and Successful Coreq Lab	Stats & Liberal Arts Coreq

Breakout Sessions

[11:10am -12:00pm](#)

S01: Meeting Students Where They are Post-Pandemic

Now that we've returned to the classroom you may have noticed some differences in your students' preparedness and expectations. We'll discuss some of the challenges and how to prepare students for success.

Presenter: Libby Watts from CCD

S02: Coreq Success Analysis: Evaluating the success of College Algebra

co-req labs

CCD has been collecting and analyzing data over the past two years to answer two questions: 1) Is our First Day Assessment (FDA) placing students correctly? 2) Are our corequisite (lab) courses increasing student success? We finally have some insight on answering those two questions and some unexpected discoveries.

Presenters: Jason Burke and Allison Millmore from CCD

S03: CCCS MAT Discipline: Where We've Been and Where We're

Heading

The MAT discipline chairs will share a summary of all of the changes that we've had recently (renumbering, redesigned support courses, revised Topical Outlines) and more that are coming up (common pre-reqs/co-reqs/cut scores on placement tests and especially Colorado Online).

Presenters: Rachel Sefton from CCD and Eric Thompson from CCCS Online

[1:00pm - 1:50pm](#)

S01: MyOpenMath: A free and open online assessment system

MyOpenMath is an online course management and assessment system for mathematics and other quantitative fields. It is free for all students and faculty to be used in a variety of ways from simple online homework assignments to a fully featured LMS. In this workshop, we will see many of the features of this site and answer any questions that you may have. Attendees should bring a device to access the site, but laptops will be available if you do not have one.

Presenter: Matthew Watts from RRCC

S02: Workshop: A Multimodal Approach for Accessible Math Materials

This presentation will provide attendees with a proactive and holistic approach to universal design for math content using a combination of free tools and procedures. Rather than focusing on any specific disability sub-group, we aim to maximize accessibility of math content for all learners by producing printable PDF format, Braille-ready LaTeX format, and HTML with MathJax for compatibility with screen readers and integrated eReaders such as ReadSpeaker for D2L. Materials created in MS Word Equation Editor or in LaTeX can be converted to any of the above formats. Attendees are encouraged to bring their own device and content to this workshop. We will also discuss the value of collaboration between subject matter experts and accessibility specialists to improve teaching and learning in STEM.

Presenters: Jennifer Maxwell and Mat Olkowski from CCD

*Note this is a 2-hour workshop

S03: Chubby Bunny & Halloween Candy

The presentation is on the advantages of flipping your stats class and some fun activities for participants to do. Come learn about "Pudgy Bunny" and how larger hand size correlates to getting more Halloween Candy!

Presenter: Ally Daubenspeck from CCD

[2:00pm - 2:50pm](#)

S01: The Delta Math Platform for College Alg, Trig, and Pre-Calc

ACC would like to introduce Delta Math as a low cost replacement for Pearson's MyMathLab. We would like to share how we use it for our homework platform and assessments along with all of the resources the platform has embedded within. The platform is easy to use, easy to copy, and has video and written resources for all problems to help students be successful.

Presenters: Scott Davis and Patricia Anderson from ACC

*This session promotes a commercial product

S02: Workshop: A Multimodal Approach for Accessible Math Materials

Workshop Continuation from Last Session: This presentation will provide attendees with a proactive and holistic approach to universal design for math content using a combination of free tools and procedures. Rather than focusing on any specific disability sub-group, we aim to maximize accessibility of math content for all learners by producing printable PDF format, Braille-ready LaTeX format, and HTML with MathJax for compatibility with screen readers and integrated eReaders such as ReadSpeaker for D2L. Materials created in MS Word Equation Editor or in LaTeX

can be converted to any of the above formats. Attendees are encouraged to bring their own device and content to this workshop. We will also discuss the value of collaboration between subject matter experts and accessibility specialists to improve teaching and learning in STEM.

Presenters: Jennifer Maxwell and Mat Olkowski from CCD

S03: Data Science @ Red Rocks

The mathematics department at RRCC is currently in the process of launching our Data Science program. This program has been in development for a few years and was built to support students interested in both mathematics and data science/statistics. This talk will include an overview of what we have done so far with incorporating data science into math classes, examples of lectures that we have created and utilized, a review of development of the data science (DAT) classes, and time for round-table discussion and questions.

Presenters: Adam Forland, Andrew Jensen, and Matthew Watts from RRCC

[3:00pm - 3:50pm](#)

S01: CalcPlot3D: An Aid to Visualization in Calculus

CalcPlot3D, a free online multivariable calculus visual exploration tool, allows users to graph points, parametric curves, volumes of revolution by shells and disks/washers, vectors, curves, surfaces, vector fields, and more. Come learn the basics of the app and experiment with applications from different levels of calculus.

Presenter: Johanna Debrecht

S02: Activities for an Engaging and Successful Coreq Lab - College Algebra & Finite Math

What do you do in the corequisite (lab) course with your students? The math department at CCD has put together "activities" to give students hands on activities to help build their skills up in preparation for their college-level course. Participants will have a chance to do these activities.

Presenter: Jason Burke from CCD

S03: Activities for an Engaging and Successful Coreq Lab - Stats & Liberal Arts Math

What do you do in the corequisite (lab) course with your students? The math department at CCD has put together some activities to support students in their learning of Liberal Arts Math and Statistics. Participants will have a chance to do these activities.

Presenter: Ally Daubenspeck from CCD

Directions to Red Rocks Community College

Driving Directions:

From downtown Denver: take the Sixth Avenue Freeway west to the Union/Simms Street exit. Turn left (south) on Union to 4th Avenue. Turn right on 4th Avenue (west) and bear right past the Point Athletic Club. Continue west on Sixth Avenue Frontage Road to the entrance sign for the college. Turn left at the sign (Arbutus Drive). Turn right to park in the East Parking Lot. Walk to the Main Entrance to check in at the registration desk.

From Interstate 70: take I-70 to exit 262 US-40 W/ W Colfax Ave. Head east on US-40 Colfax. Turn right onto Denver West Colorado Mills Blvd. Continue onto Indiana St. Turn left onto W 6th Ave Frontage Rd. Turn right at the sign (Arbutus Drive). Turn right to park in the East Parking Lot. Walk to the Main Entrance to check in at the registration desk.

RTD Directions: From Union Station, take the W Line Westbound to the Red Rocks College Station (second to last stop). Cross Frontage Road and walk South on Arbutus Drive. The college will be on your right.

- Regional Map
https://drive.google.com/file/d/1tEV5lvSINtKF6spqvtccifL_V4BKKaRM/view?usp=share_link
- Campus Map (Exterior):
https://drive.google.com/file/d/1WFioYdGse4l7UETEz9ImBAH5-QS47Efk/view?usp=share_link
- Campus Map (Interior):
https://drive.google.com/file/d/1cWNQZILewf-ORmL5bAOZgysYAcAw1imr/view?usp=share_link

Wi-Fi Information

- Select the network: rrcstudent
- Check the box at the top consent form
- Click "Continue to the Internet" at the bottom of the form

Fun Facts

- Red Rocks Community College first opened in 1968 as the West Campus of the Community College of Denver
- Red Rocks Community College offers a Master's Degree in Physician Assistant Studies
- The College shares its namesake with the famous [Red Rocks Amphitheater and Park](#), which is located about 20 minutes from the Lakewood Campus
- RRCC has a second campus in Arvada, but the ColoMATYC conference will be at the Lakewood Campus.

Nearby Trails

- [Union Ridge Trail](#) - Starts at the RRCC Lakewood campus and follows a 1.4 mile paved loop through a nearby neighborhood
- [William F Hayden Green Mountain Park](#) - has 17 great trails for hiking, walking, and birding around Green Mountain. There is even 1 mountain biking trail. It is a 10 minute drive from the Red Rocks Lakewood campus.
- [Apex Park](#) - has 7 trails for hiking, biking, and more in the Golden area. Apex Park is also a 10 minute drive from RRCC.

ColoMATYC Executive Board 2022 – 2023

President Libby Watts (CCD)

Libby.Watts@ccd.edu

Treasurer Jean Hindie (CCD)

Jean.Hindie@ccd.edu

AMATYC Affiliate Delegate Johanna
Debrecht (RRCC)

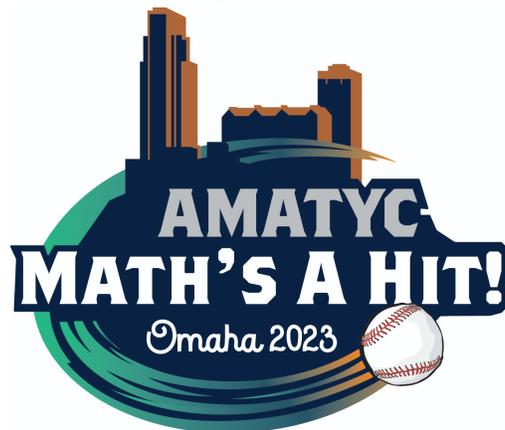
Johanna.Debrecht@rrcc.edu

Webmaster Brittni Lorton (CCD)

Brittni.Lorton@ccd.edu

49th AMATYC Annual Conference

Omaha, Nebraska



November 9 – 12, 2023

<https://amatyc.org/page/2023ConfHome>

AMATYC President: Laura Watkins of Glendale CC

AMATYC Central Region Vice President: Dale Johanson of Northeast CC

Thank You's

ColoMATYC would like to thank:

- Red Rocks Community College for being great hosts
- Johanna Debrecht and Matthew Watts for coordinating the event
- Carol Kuper for serving two years as ColoMATYC President (during a pandemic)
- Jean Hindie for his years of service as ColoMATYC Treasurer
- All the speakers and presenters



Fellows participating in the AMATYC Project ACCESS will gain knowledge of the culture and mission of the two-year-college and its students, acquire familiarity with the scholarship of teaching, commit to continued growth in mathematics, and participate actively in professional societies.

Fellows will attend two consecutive AMATYC national meetings where they will participate in a program developed particularly for new faculty, as well as in regular conference activities. In the intervening year, Fellows are required to attend an AMATYC Affiliate meeting, MAA Section meeting, NCTM Regional meeting, or another pre-approved conference by the ACCESS coordinator near their home institution between November of the current year and November of the following year.

For the duration of the project, an electronic network will link ACCESS Fellows with each other and with a group of distinguished mathematics educators. As an integral part of their professional development during the Fellowship year, Fellows are expected to develop, implement, and evaluate a project at their home institution. In addition to learning and networking opportunities, Fellows will receive one-year memberships in AMATYC for each year of their Fellowship.

Project Activities

New ACCESS Fellows must be available to attend the following during their fellowship year:

- * The AMATYC Conference in Omaha, NE, November 9 – 12, 2023
- * The AMATYC Conference in Atlanta, GA, November 14 – 17, 2024
- * The AMATYC Affiliate meeting, the MAA Section meeting or the NCTM Regional meeting, or another pre-approved conference by the ACCESS coordinator near their home institution. The dates of these meetings vary and can be found at the following websites:

[AMATYC Affiliate Conferences](#)

[AMATYC Affiliates by Region](#)

[MAA Section Meetings](#)

[NCTM Regional Conferences](#)

As an integral part of their professional development during their Fellowship year, Fellows are expected to develop, implement, and evaluate a [project](#) at their home institution. Fellows will also participate in an electronic network which will link ACCESS Fellows and a group of distinguished mathematics educators.

Please consult the [Project Page](#) for examples of previous projects.

Please consult the [FAQ](#) page for more details.