

Curricular Analytics/Transfer Student Success

Workshop Syllabus

Workshop Leaders

- Greg Heileman, Vice Provost for Academic Affairs and Professor of Electrical and Computer Engineering, University of Arizona
- Nikos Varelas, Senior Vice Provost for Academic Programs, Student Success, and Effectiveness and Professor of Physics, University of Illinois, Chicago
- Rick Miranda, Vice Chancellor for Systems Collaboration and Integration, Senior Vice President (former Provost and Interim President), and Professor of Mathematics, Colorado State University

Goals

1. Workshop participants will learn from what is entailed in use of the open-source Curricular Analytics Toolkit and the Curricular Analytics-powered transfer portal.
2. Senior leaders will learn how to use these tools to enlist faculty in student success initiatives and how to remove key entrenched barriers to transfer student success.

Suggested Pre-work

- UERU Summit teams review academic literature and case studies.
- UERU Summit teams enter data into the Curricular Analytics Toolkit.

Principal Workshop Activities

- The Theory and Practice of Curricular Analytics: How Best to Use C.A. Data.
- Application to Transfer Student Success: Focus on Chicago Roadmap 2.0.

Key Takeaways

- A firm understanding of the tools imparted by those who created them.
- Behind-the-scenes understanding of strategic leadership opportunities.

Essential Literature

- Dandaneau & Heileman, eds. (forthcoming), *Curricular Analytics in Higher Education: Analyzing a Hidden Barrier to Student Success* (Routledge).
- Heileman, Abdallah, Slim, Hickman (2018) "Curricular Analytics: A Framework for Quantifying the Impact of Curricular Reforms and Pedagogical Innovations."
- Varelas (forthcoming) "Curricular Analytics and the University of Illinois, Chicago."
- Ganesan, Gill, Lionelle, and Brodley (2025) "Does Reducing Curricular Complexity Impact Student Success in Computer Science"