C-3. Logic Model for DAACS

Resources/Inputs

- The DAACS system:
 - valid diagnostic assessments of reading, writing, mathematics & SRL
 - o individualized feedback
 - o OERs (e.g., SRL Lab, OWL)
 - o nudges to use the system
 - o advising with dashboards
- Experienced research team that developed and tested DAACS
- Partnership with three diverse institutions
- Academic advisors to provide the social support aspect of DAACS
- Institutional research staff to compile and share data
- Information technology systems staff and Gavant for technological integration of DAACS into institutional learning systems

Strategies and Activities

- Integrate DAACS into advising and orientation processes
 - Advisors receive professional development
 - Students complete all four assessments
 - Students access customized feedback and links to OERs
 - Advisors use student information from the DAACS dashboards
- Prompt use of DAACS resources
 - Students receive nudges to complete DAACS and/or review feedback and resources
 - Advisors receive ongoing training and support
- Collect and analyze evidence of validity and reliability of DAACS assessments for use at each institution
- Develop models for predictive analytics to identify students who are at risk of academic failure and provide individualized supports

Outputs

- Advisors understand how to use DAACS to inform advising
- Students complete the four assessments, access the feedback, and better understand their academic strengths and weaknesses
- Students use the OERs to address weaknesses
- Positive reactions by students and advisors to the use of DAACS

Short-term Outcomes

- Advisors use DAACS dashboard during advisement
- Student engagement: review feedback and resources; discuss results with advisor

Intermediate-term Outcomes

- Advisors use DAACS dashboard during advisement
- Student engagement: Revisit DAACS feedback; respond to DAACS nudges
- Less time to first credit
- Increased short-term persistence (term-to-term retention)
- Increased GPA and/or credits earned to attempted

Long-term Outcomes

- Increased one year retention
- Increased graduation rates

Impacts

- Spread of DAACS across higher education (HE)
- Better student preparation for HE
- Greater overall academic success in HE
- HE practices favor diagnostic assessments, feedback, and OERs
- Institutions use analytics that include DAACS information to individualize student support