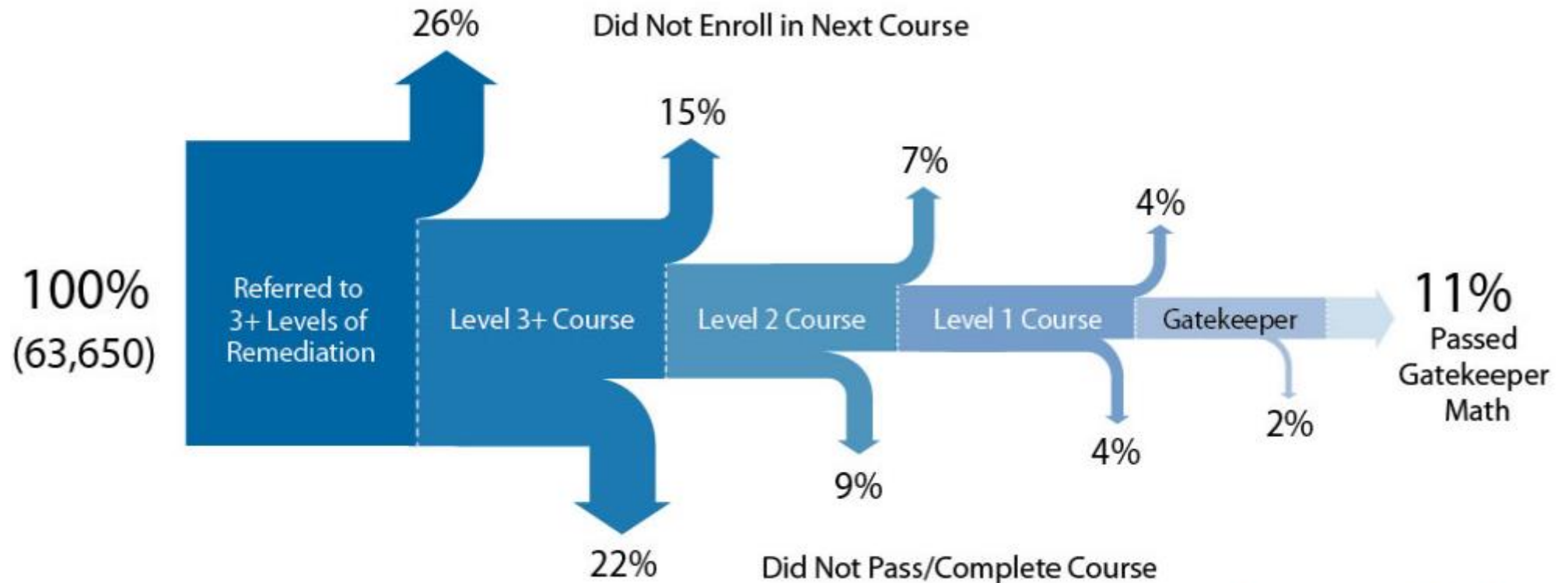


DVC Math Department AB705 Related Changes

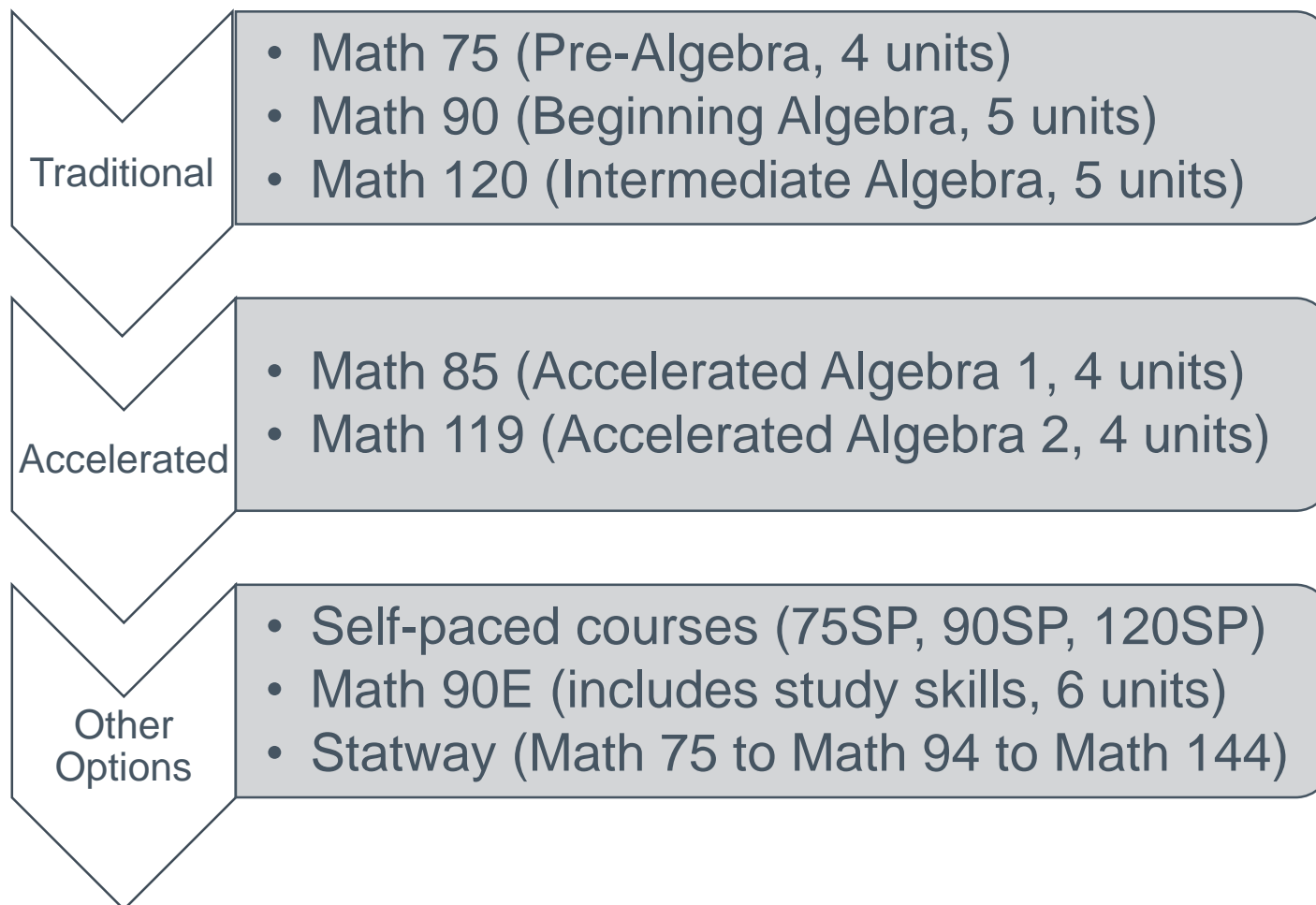
Student Progression Through the Developmental Math Sequence Statewide

Decades of experience show us that students in the developmental math pipeline have a very low probability of making it to and passing a transfer-level math course.



Source: CCRC

Current Pathways through Developmental Math at DVC



Currently, students who have not placed into transfer-level courses can use the Informed Student Self Assessment (ISSA) to select what level of developmental class they feel is best for them.

Fall 2019 Pathways through Developmental Math

Streamlined Options

- Math 85 (Basic Algebra and Arithmetic Review, 4 units)
- Math 119 (Beginning and Intermediate Algebra, 4 units)
- Math 85SP and Math 119SP
- Statway: Math 94 to Math 144

- › Math 85 and Math 119 have been “rebranded” to attract only students who truly belong at that level (life-long learners, re-entry after more than 10 years, BSTEM students who did not take Algebra 2 in high school, etc).

Fall 2019 Placements for Statistics/Liberal Arts Bound Students (Tentative)

High School GPA	DVC Math Placement
HS GPA \geq 3.0	Math 142 (Statistics) or Math 124 if taken Algebra 2
HS GPA from 2.3 to 2.9	Math 142 with Math 042 recommended or Math 124 if taken Algebra 2
HS GPA $<$ 2.3	Math 142 with Math 042 required

- › We have developed a co-requisite support course for Math 142 (Elementary Statistics with Probability)
- › Math 042: Skills Support for Statistics
- › 1 unit: $\frac{1}{2}$ unit lecture, $\frac{1}{2}$ unit lab
- › We are working towards embedded counseling and tutoring support in co-req

Fall 2019 Placements for Business and STEM Bound Students (Tentative)

High School GPA	DVC Math Placement
HS GPA ≥ 3.4 or HS GPA ≥ 2.6 AND enrolled in HS Calculus course	Appropriate transfer-level course
HS GPA ≥ 2.6 or Enrolled in HS Precalculus	Appropriate transfer-level course with co-requisite course recommended
HS GPA < 2.6 and no Precalculus	Appropriate transfer-level course with co-requisite course required

- › We have developed a co-requisite support courses for Math 121 (Trigonometry) and Math 135 (College Algebra)
- › Math 021 will be 1 unit: $\frac{1}{2}$ unit lecture, $\frac{1}{2}$ unit lab (2 additional hours/week)
- › Math 035 will be 2 units: 1 unit lecture, 1 unit lab (4 additional hours/week)

Course Offerings: Now and Fall 2019

Class	Number of Sections Fall 18	Proposal for Fall 19
Math 75	10	None
Math 85	3	5
Math 90	10	None
Math 94	4	4
Math 119	3	12
Math 120	20	None
Math 121	6	8
Math 121 w/co-req	-----	3
Math 135	8	9
Math 135 w/co-req	-----	3
Math 142	26	29
Math 142 w/co-req	----	12
Math 191	10	12

Continuing work....

- Collaborate with counselors regarding affective domain curriculum and training for our co-requisite courses, as well as with embedding counselors in our co-requisite courses
- Provide professional development around pedagogy and active learning for all math instructors, particularly those teaching co-requisite courses
- Unify the recommendations and the messaging for which students belong in which classes
- Continue to collect research to make informed decisions about current and future courses
- Assist in educating the DVC community about these changes and help the community understand these changes are positive steps towards student success