Washington State Community and Technical Colleges Mathematics Pathways Packet



Developed by

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Introduction to Mathematics Pathways Packet

In 2013, the Direct Transfer Agreement [DTA] between the Community and Technical Colleges [CTC] and the four-year colleges and universities was modified, allowing CTC mathematics faculty the opportunity to address their students' needs in their precollege math programs. Due to the relative independence of colleges within the CTC system, math faculty had flexibility in designing their college's precollege math programs to offer opportunities for students beyond the single pathway to all of the entry college-level math courses.

The Mathematics Pathways Packet describes the course offerings in each of the math programs at the CTCs in Washington State. A common flowchart was developed in order to illustrate more readily the various models that CTCs have utilized to help their students gain access to college-level math courses that transfer to four-year institutions.

This packet consists of flowcharts for each of the CTCs' math programs for 2019-20. This packet is an updated version of the work completed in 2017 for which examinations of the CTCs websites and course catalogs were conducted to gather initial information about the CTCs math programs. Interviews with faculty and staff at the CTCs were performed to clarify and confirm the flowcharts that were developed.

Each of the flowcharts illustrates the pathways within all of the CTCs' precollege math programs. The pathways are defined by the college level math courses that match up with the courses required in the DTA: Liberal Arts, Statistics, Elementary Education, Business, and STEM. The pathways within the precollege math program are color coded to match the college level math courses. Thus, by identifying the college level course that is needed for a student, one can follow the path from the precollege course where the student initially places to the desired college level course.

Math placement information is provided for each of the CTCs in a chart with each CTC flowchart. Six common methods have been identified for math placement of students: placement test, high school transcript, reciprocity, prior math class, SAT/ACT, and Smarter Balance. The chart also gives the length of time the placement is valid as determined by the college.

Lastly, within the flowcharts of the four-year colleges and universities, information about equivalency of CTC courses and credits for AP and IB testing is provided. The number of CTCs that have the corresponding course designated as equivalent to the four-year institution's course is included in the flowchart. Since credit for AP and IB testing is determined by the four-year institutions for CTCs transfer students, a chart of the four-year institution's credits for scores on the AP and IB test is provided.

I would like to thank Edmonds Community College, the Dana Center, and SBCTC for their support in making this packet.



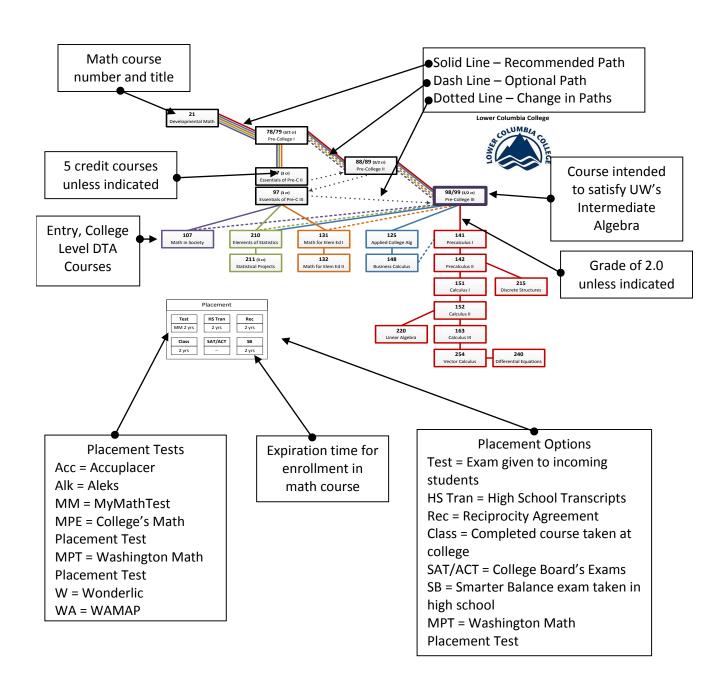


WASHINGTON STATE COMMUNITY AND TECHNICAL COLLEGES

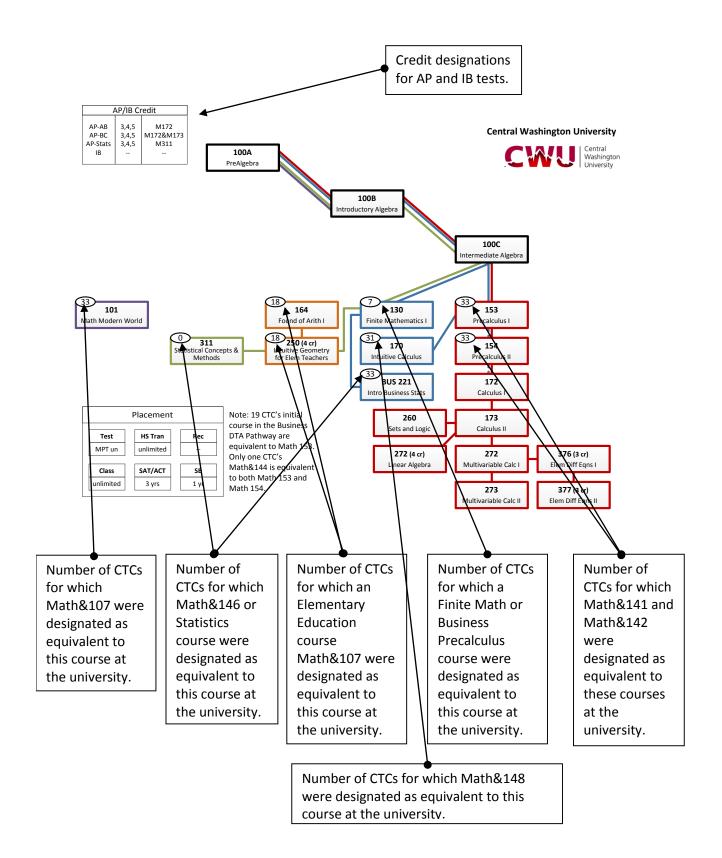
Math Pathways to Completion

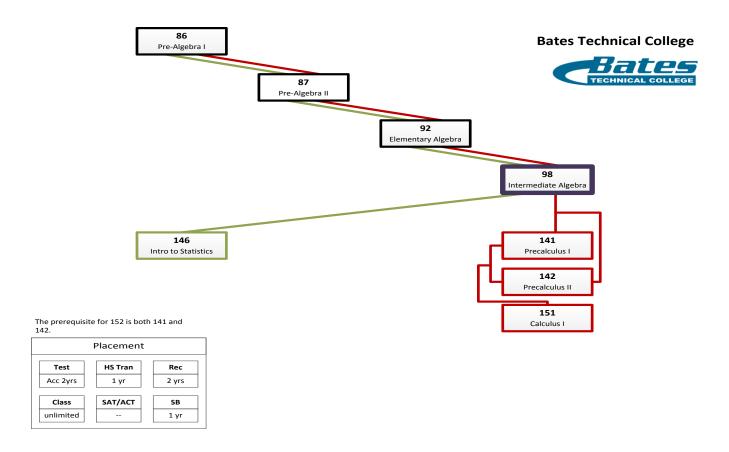
Legend

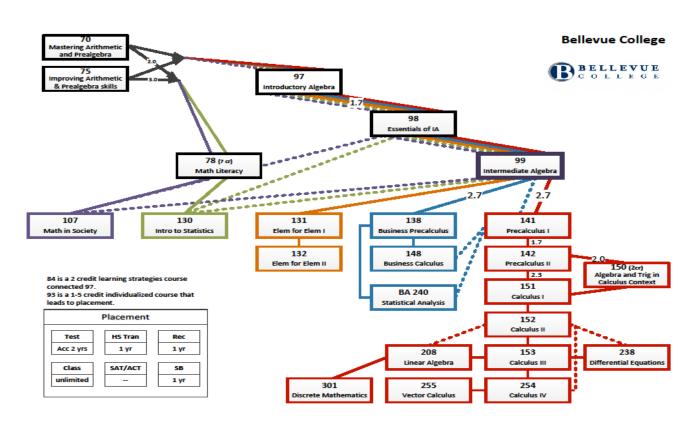
Flowcharts for CTCs



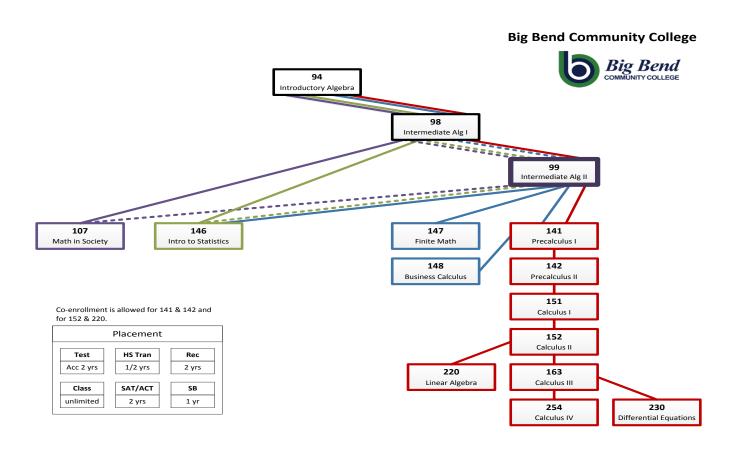
Flowcharts for Universities

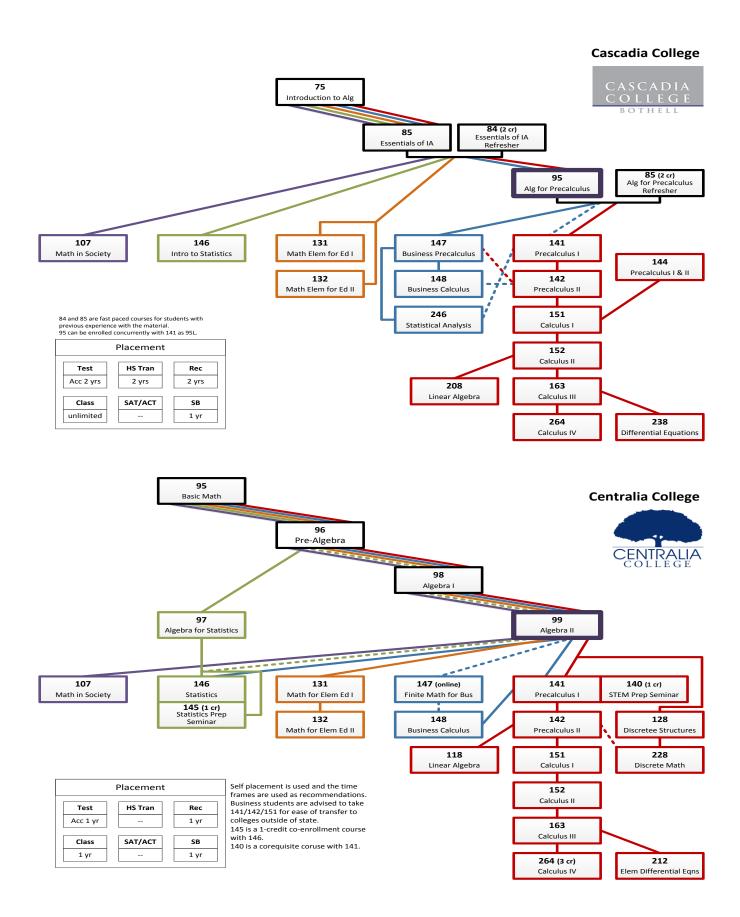






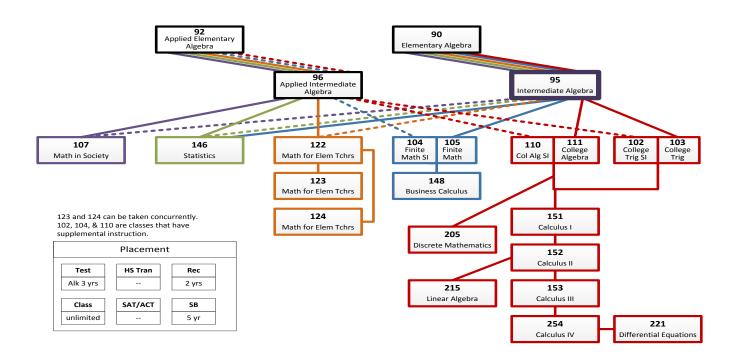
Bellingham Technical College 90 Pre-Algebra 98 Elementary Algebra 99 Intermediate Algebra 141 107 146 Math in Society Intro to Statistics Precalculus I 142 Precalculus II 151 Calculus I Placement 152 Calculus II Test **HS Tran** Rec 5 yrs Acc 5 yrs 1 yr 163 Calculus 3 Class SAT SB unlimited 5 yrs 1 yr



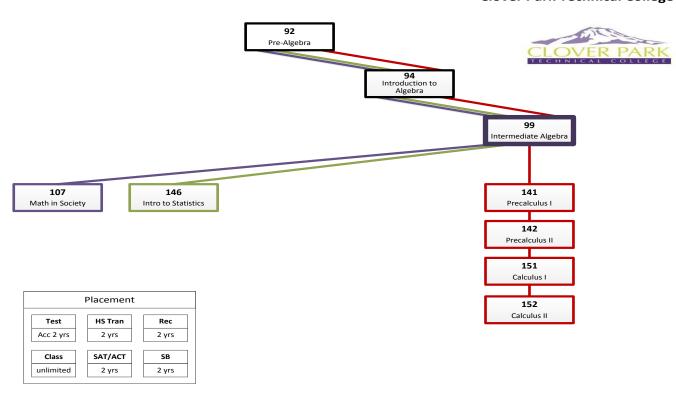


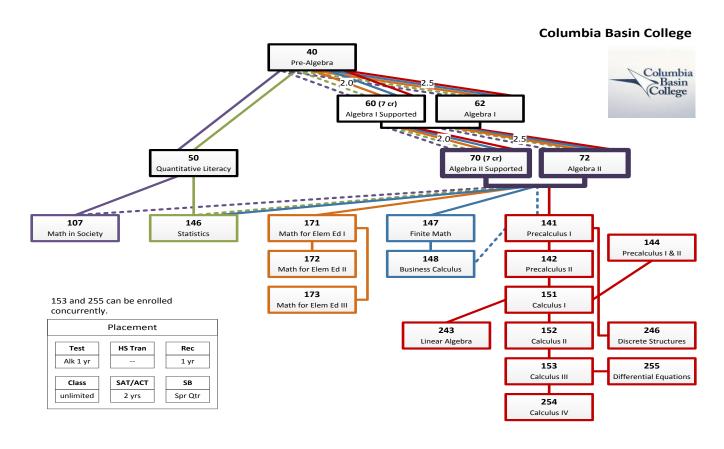
Clark College

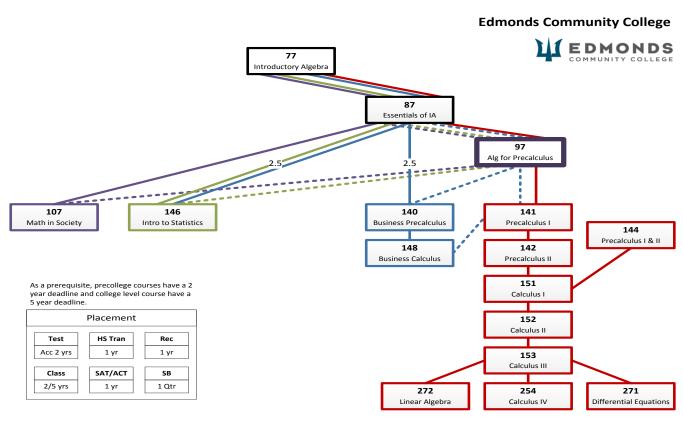
Clark College

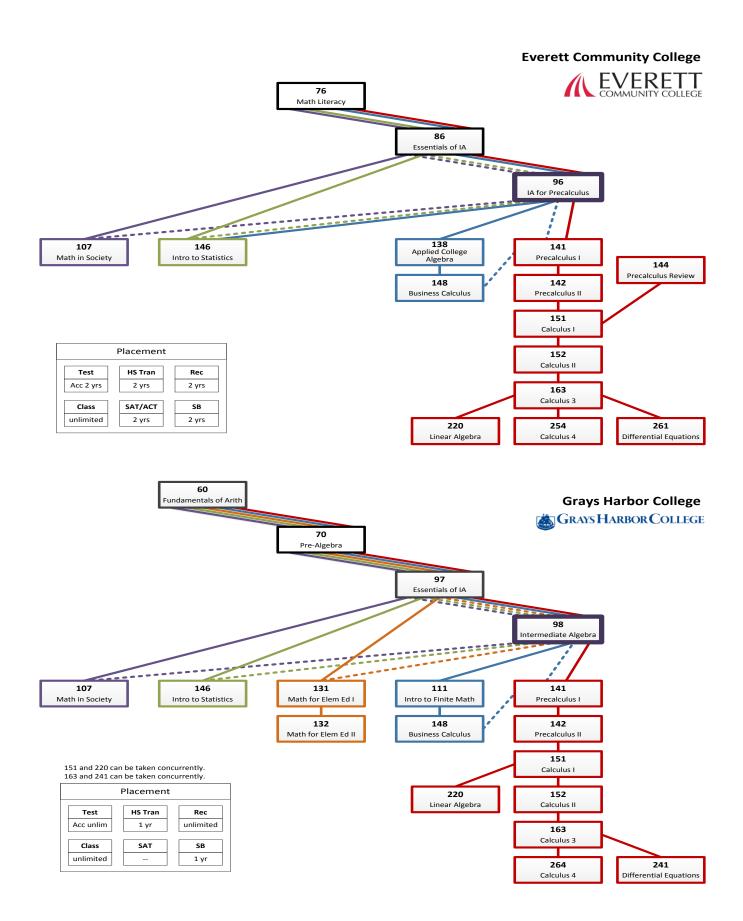


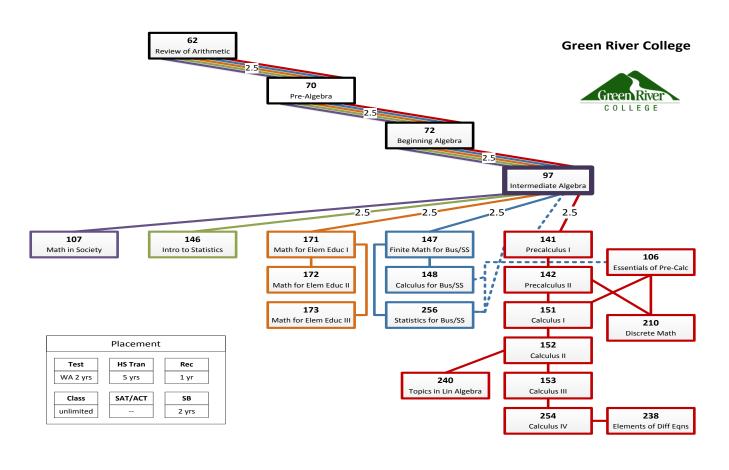
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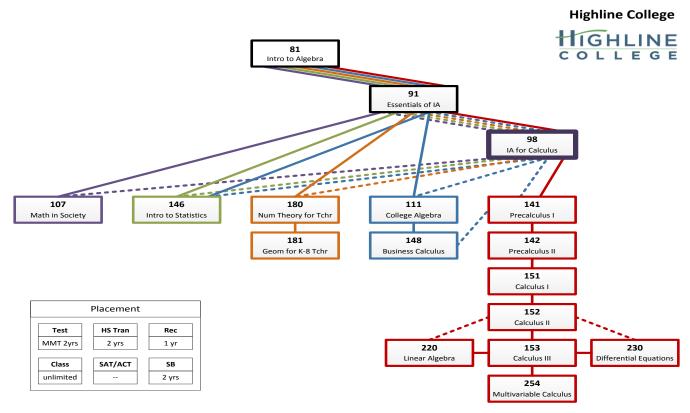


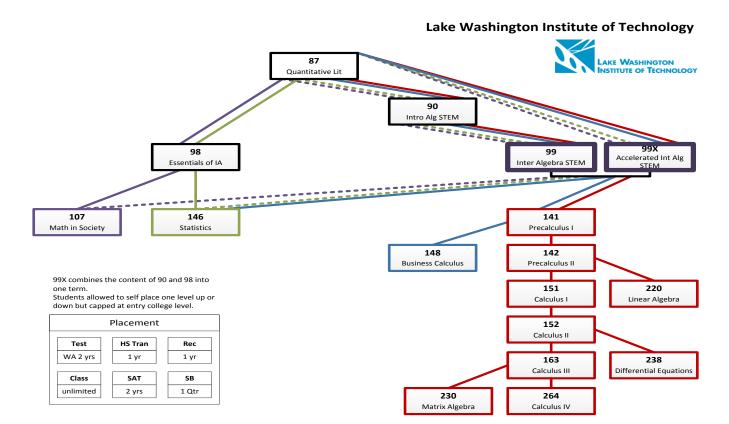


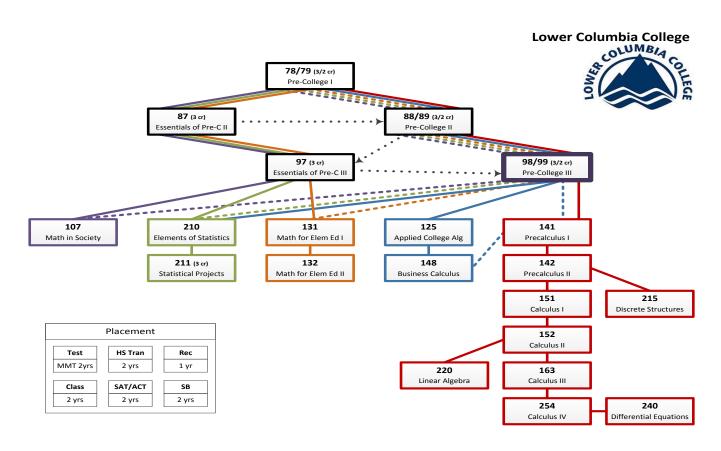


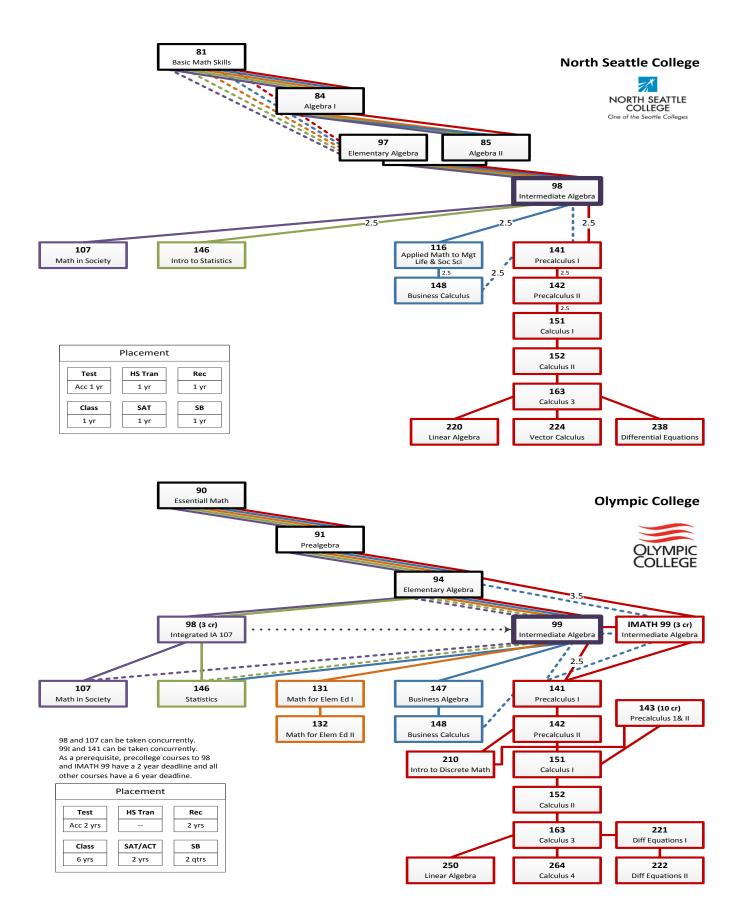


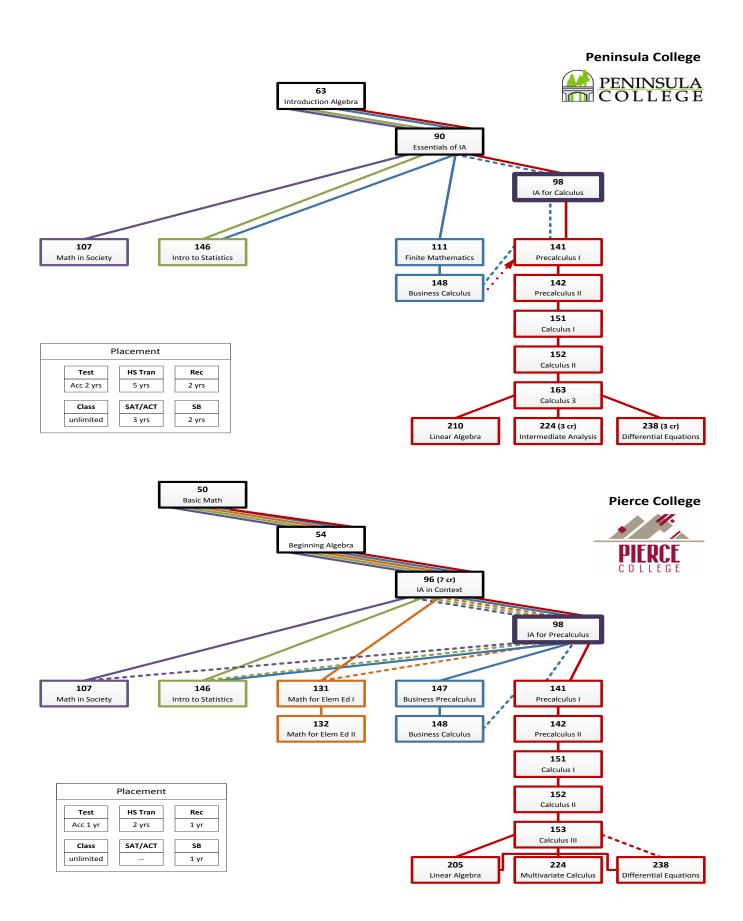


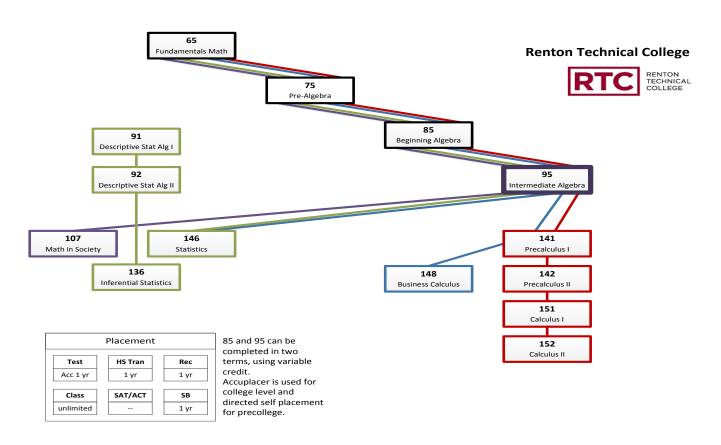


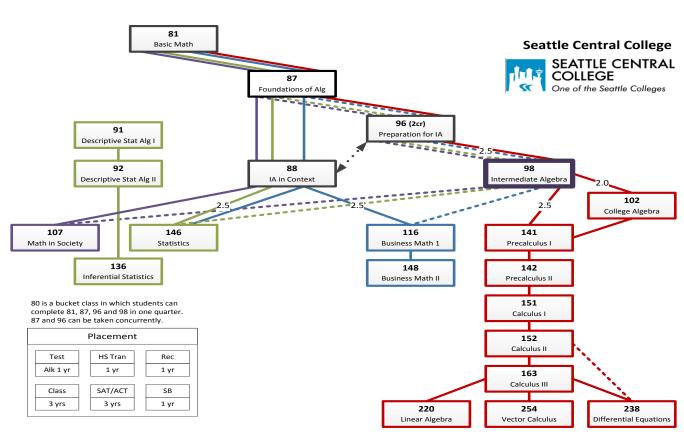


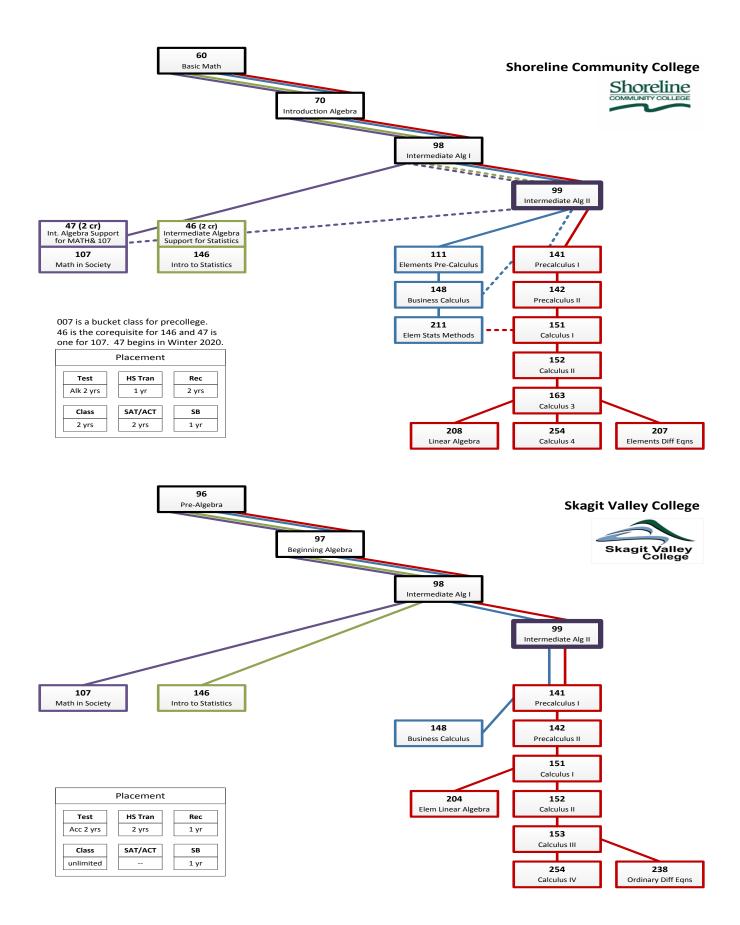




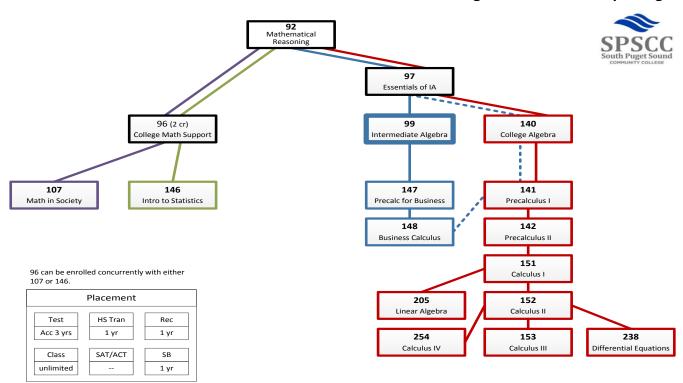


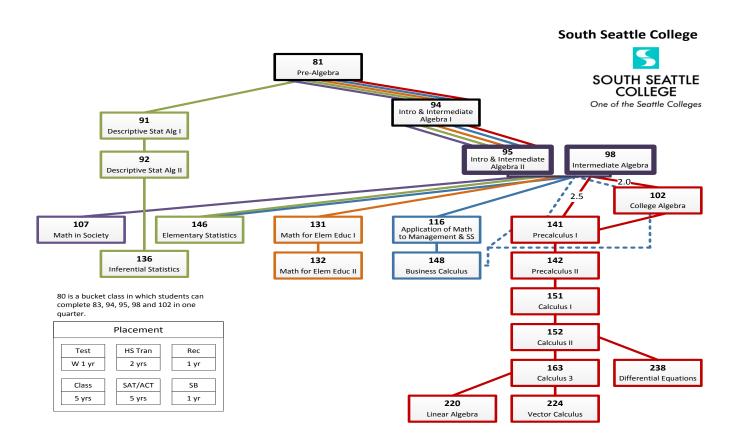


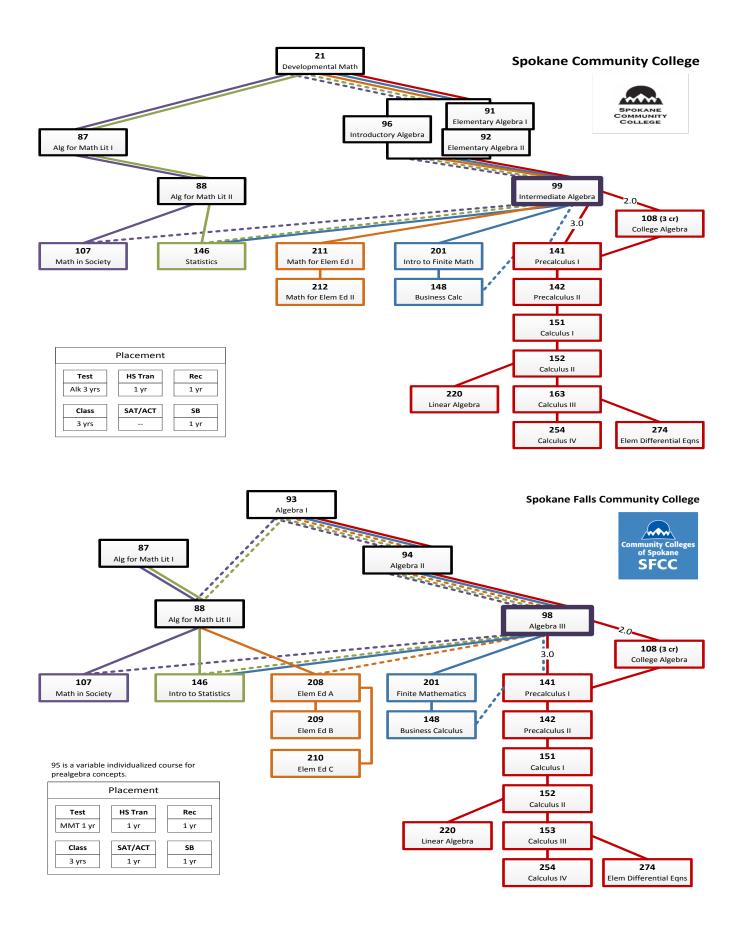


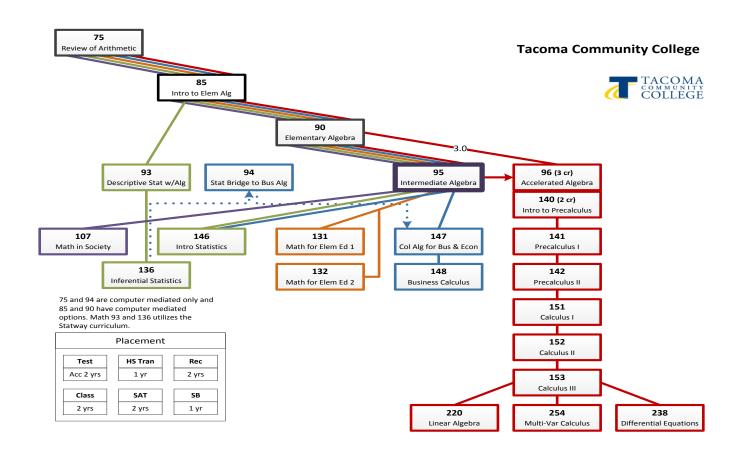


South Puget Sound Community College

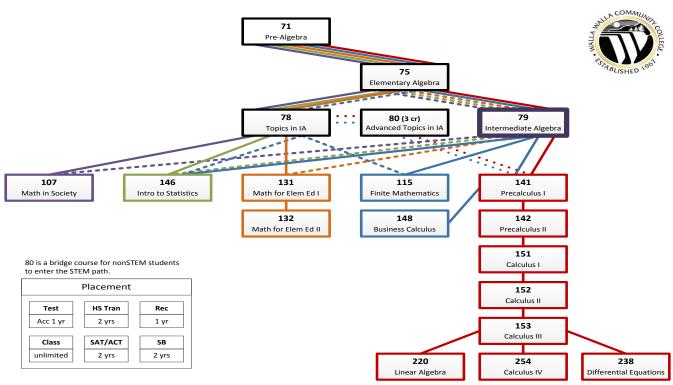


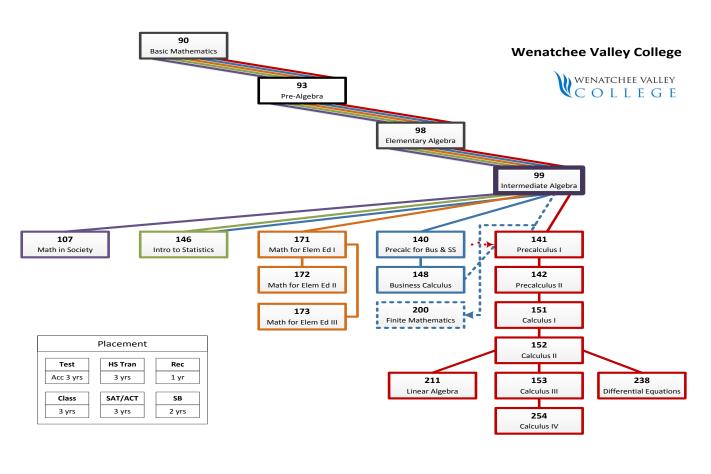


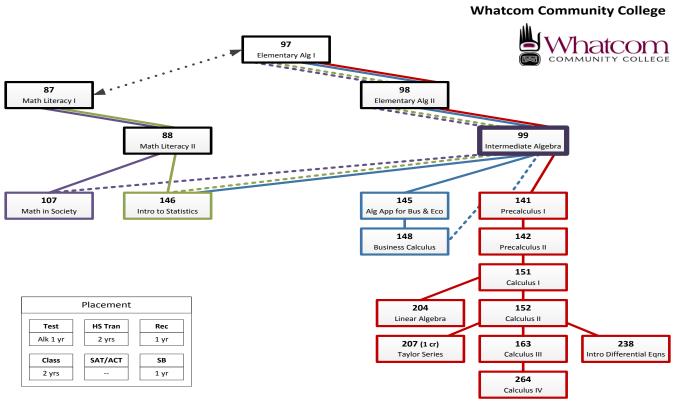


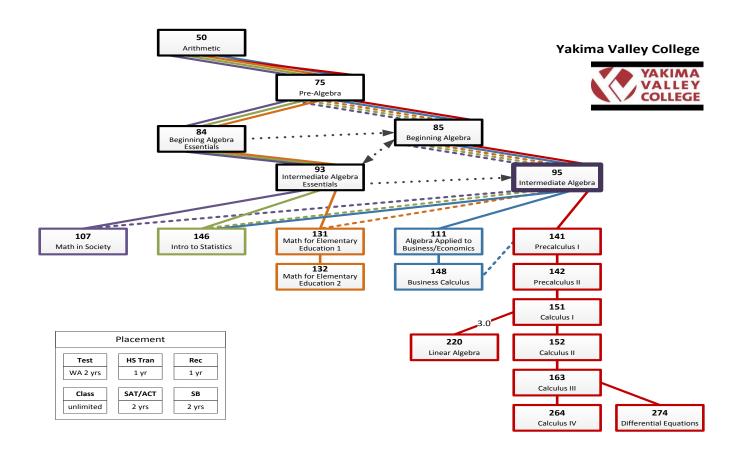


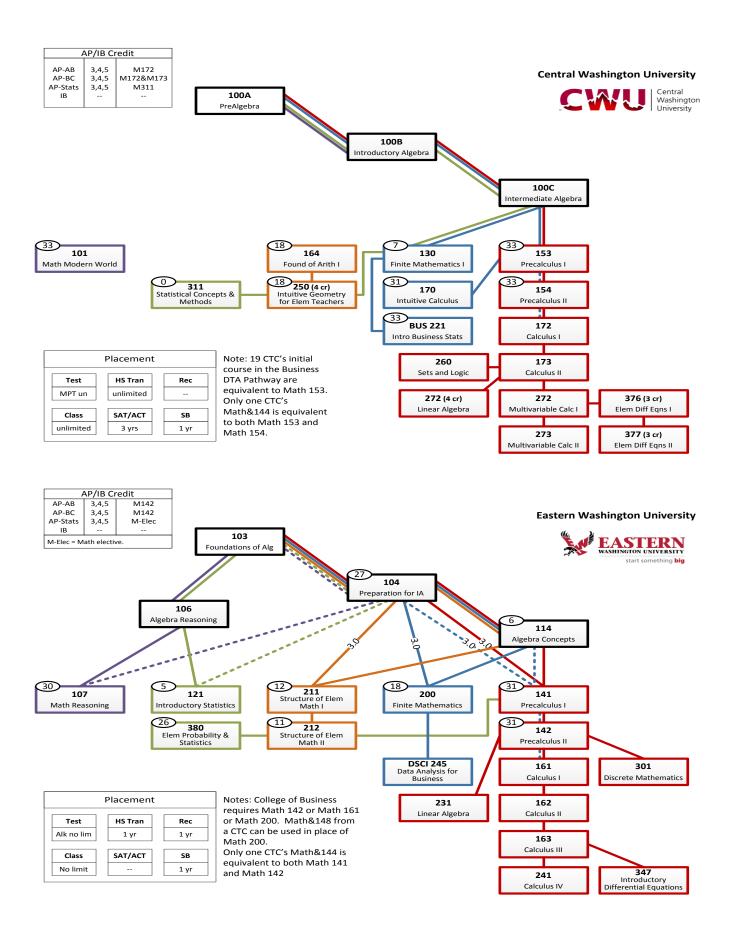
Walla Walla Community College









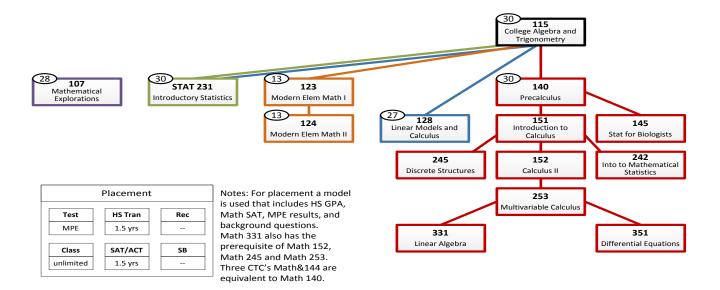


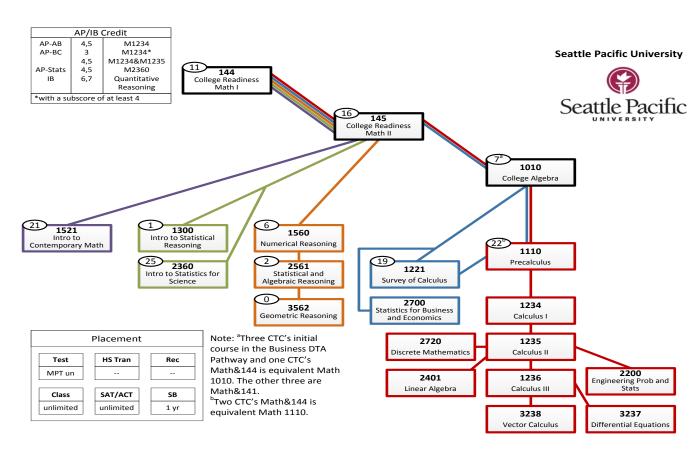
AP-AB 3,4,5 M151 AP-BC 3 M151 4,5 M151&M152 AP-Stats 4,5 STAT231 IB Gen Ed*	AP/IB Credit				
4,5 M151&M152 AP-Stats 4,5 STAT231	AP-AB	3,4,5 M151			
AP-Stats 4,5 STAT231	AP-BC	3	M151		
, , ,		4,5	M151&M152		
IB Gen Ed*	AP-Stats	4,5	STAT231		
	IB		Gen Ed*		

*General Education credits are assessed to match students' academic goals.

Pacific Lutheran University



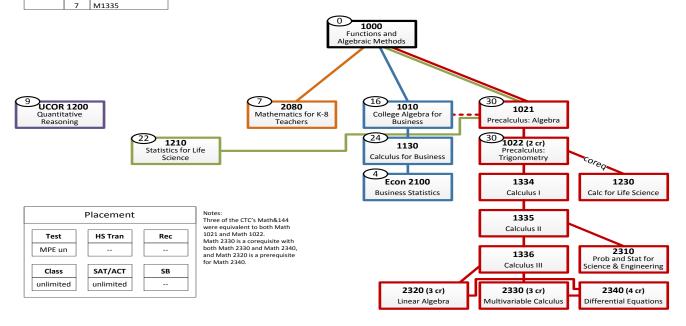




AP/IB Credit AP-AB 3 M1130 or 1230 4 M1334 5 M1334&M1335 AP-BC 3 M1334 4 M1334&M1335 5 M1334&M1335 5 M1334&M1335 AP-Stats 3,4,5 M1210&ECON2100 IB 6,7 M1130 or 1230 or 1334

Seattle University





AP-AB	2	M124*		
	3,4	M124		
	5	M124&M125		
AP-BC	2	M124**		
	3	M124		
	4,5	M124&M125		
AP-Stats	3,4,5	Stat311		
IB	5,6	M120		
	7	M124		
*Placement only. **In conjunction with a subgrade of				

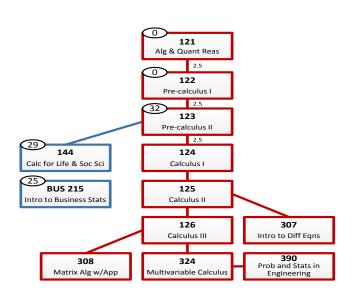
University of Washington—Bothell





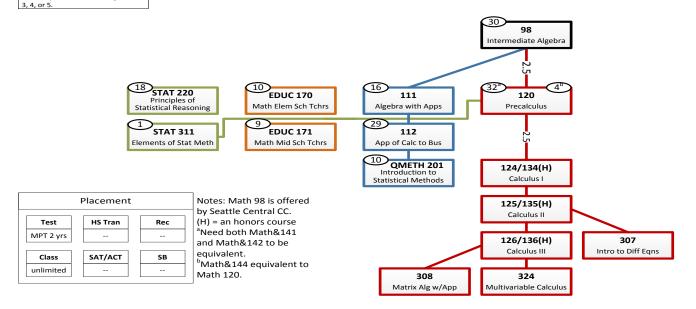
Note: Advisors at UW Bothell are currently working on equivalency guides for the CTCs.

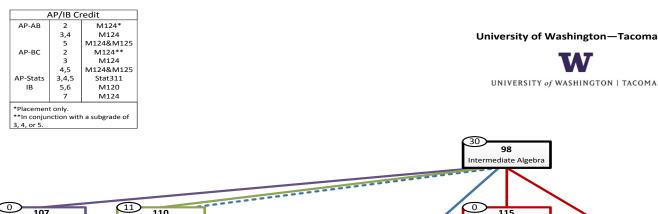
Placement				
Test	HS Tran	Rec		
MPT				
Class	SAT/ACT	SB		
unlimited				

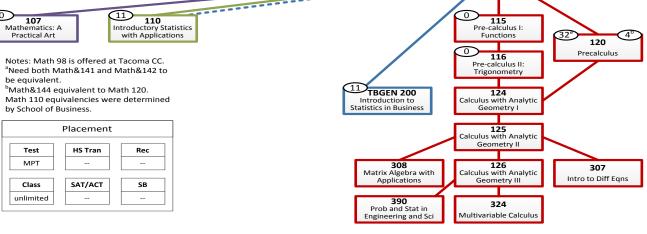


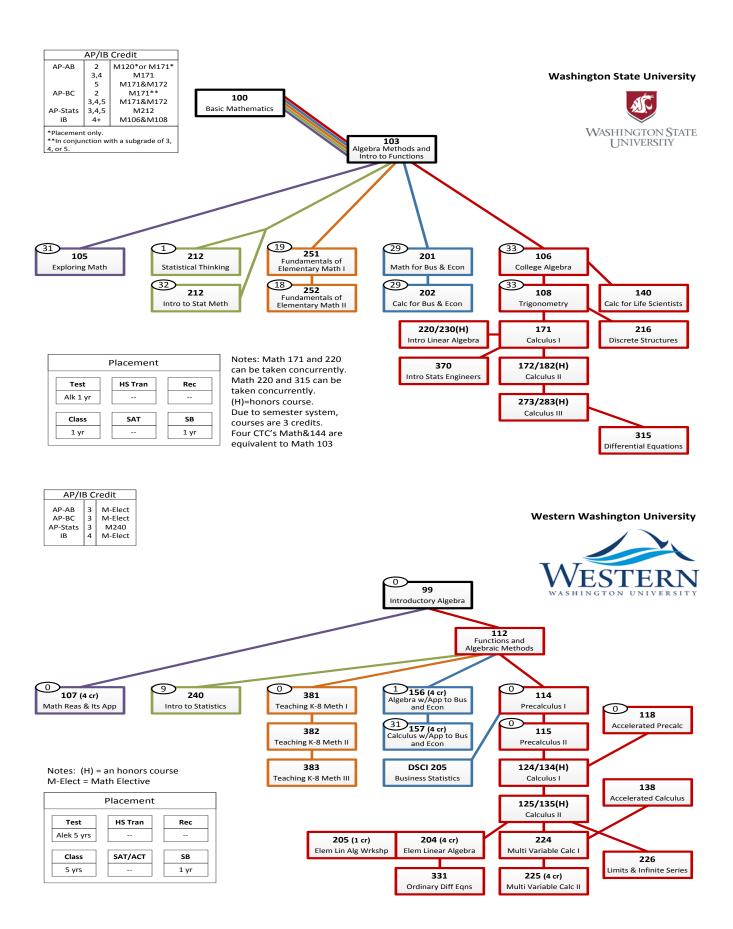
AP/IB Credit AP-AB M120* 2 3.4 M124 M124&M125 M124** AP-BC M124 M124&M125 4.5 AP-Stats Stat311 ΙB 5,6 M120 *Placement only. **In conjunction with a subgrade of











Appendix

The following are the flowcharts for colleges that have made changes to their math programs for the 2017-18 academic year: Bellevue College, Everett Community College, and Walla Walla Community College.

