

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.

Examinations of the CTCs websites and course catalogs were conducted to gather initial information about the CTCs math programs. Then, interviews with faculty and staff at the CTCs were performed to clarify and confirm the flowcharts that were developed. This packet provides flowcharts for the CTCs' math programs in 2016-17.

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.

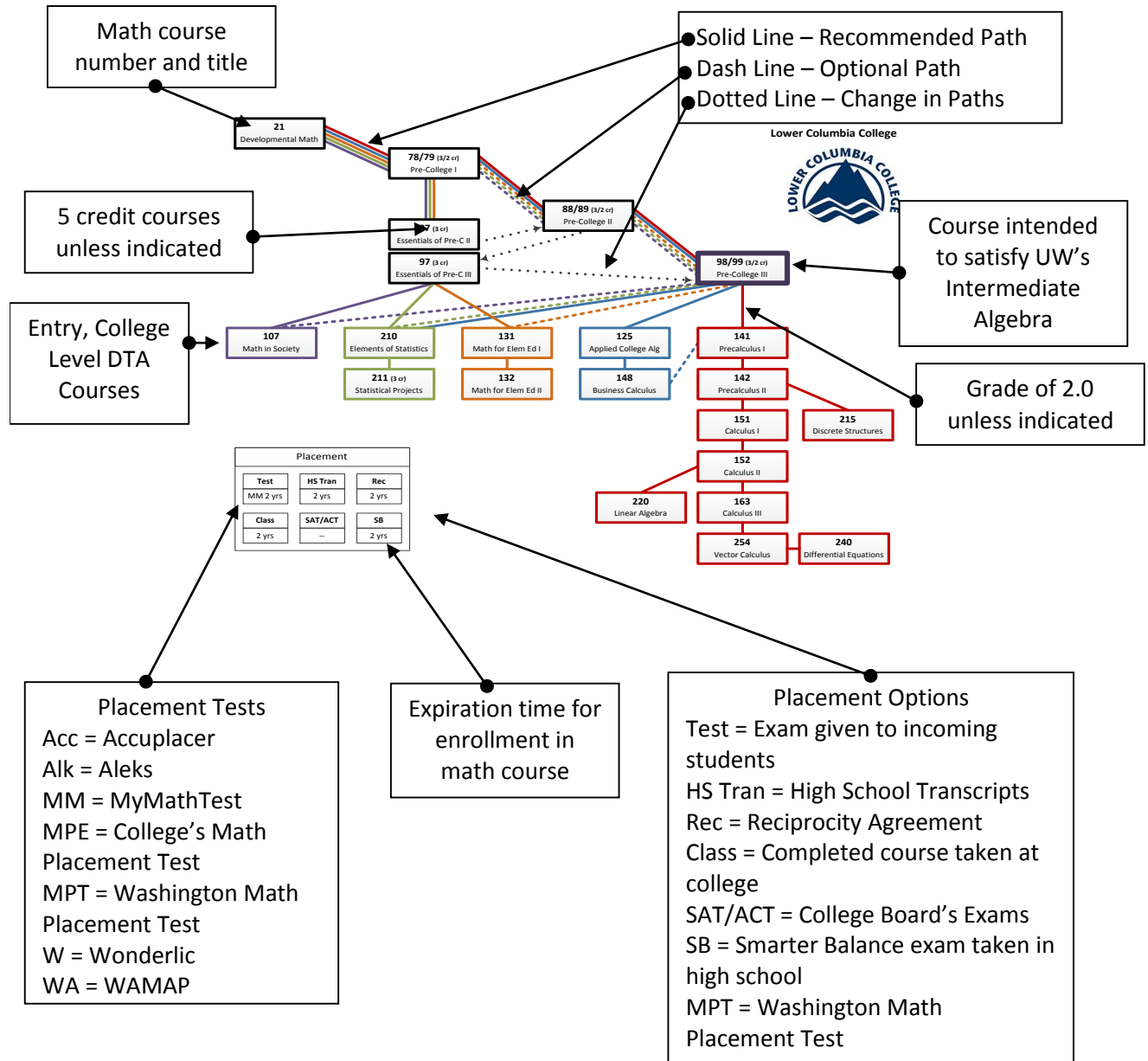


WASHINGTON STATE COMMUNITY
AND TECHNICAL COLLEGES

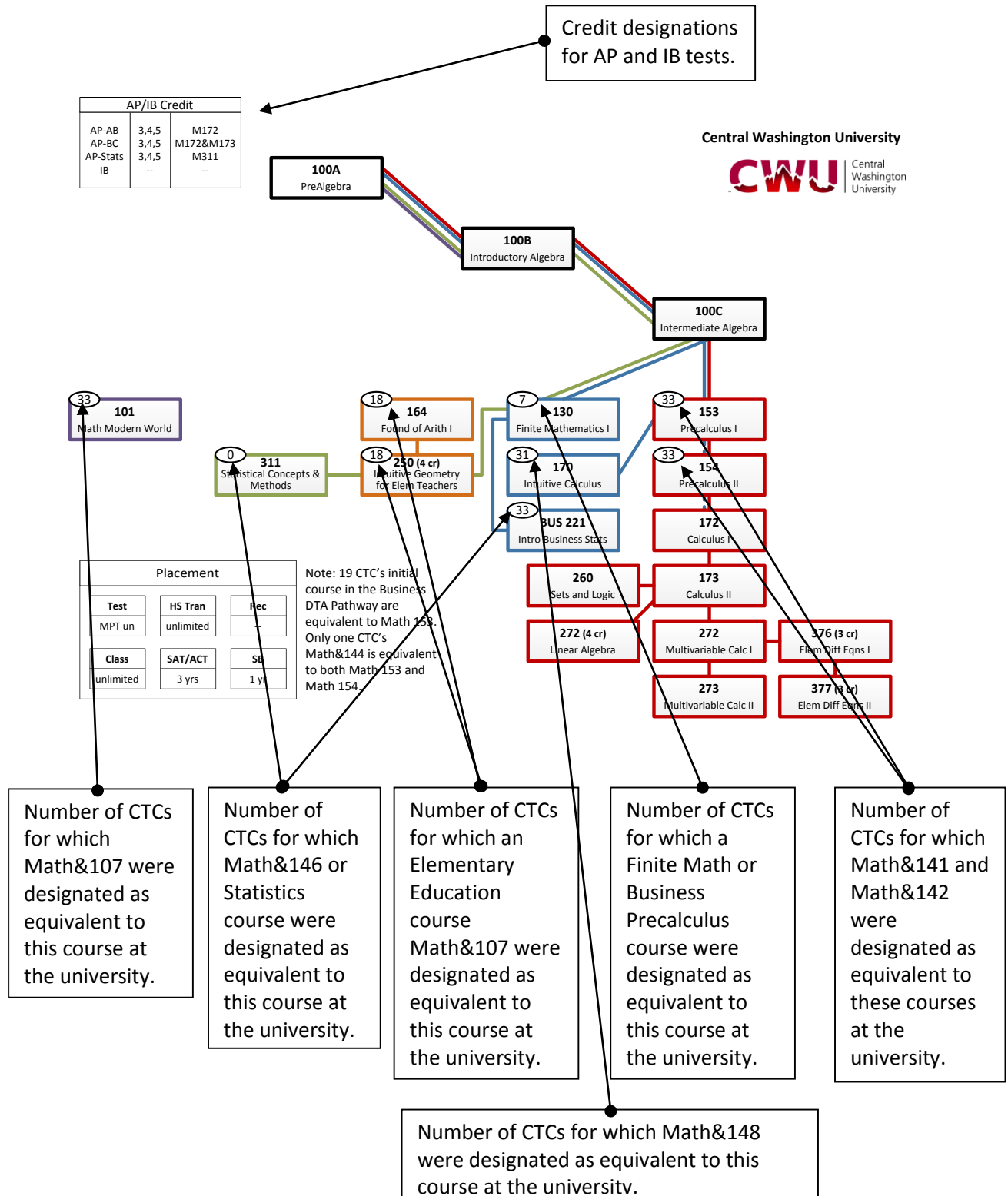
**Math Pathways
to Completion**

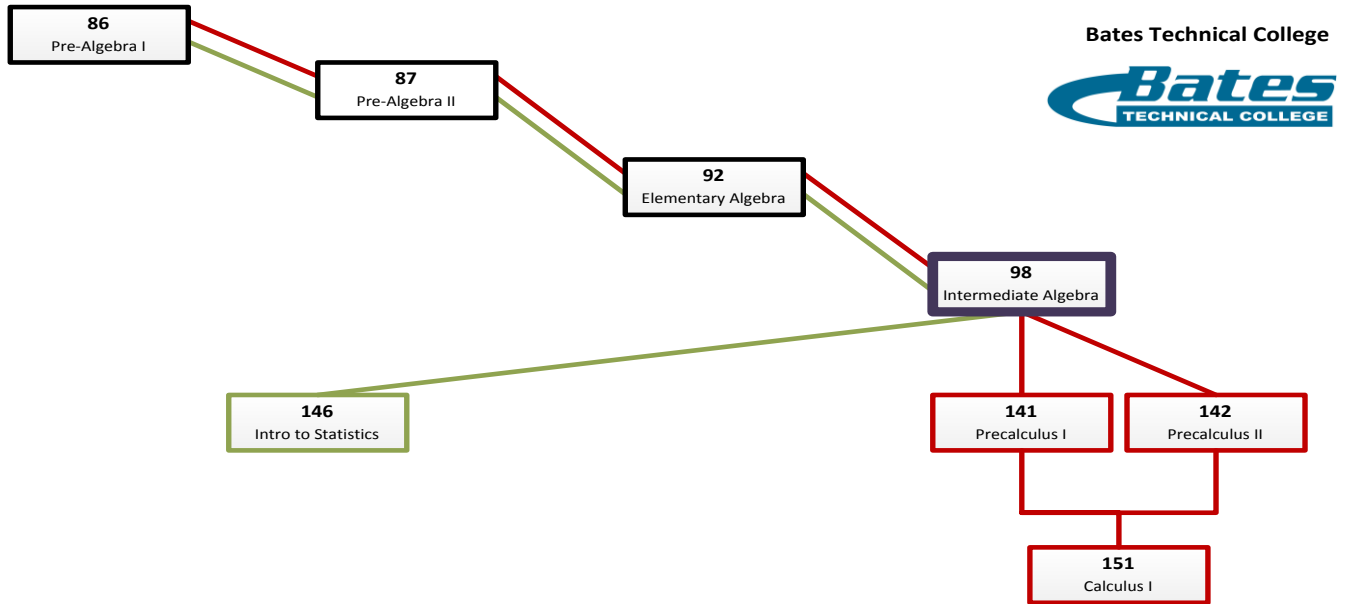
Legend

Flowcharts for CTCs

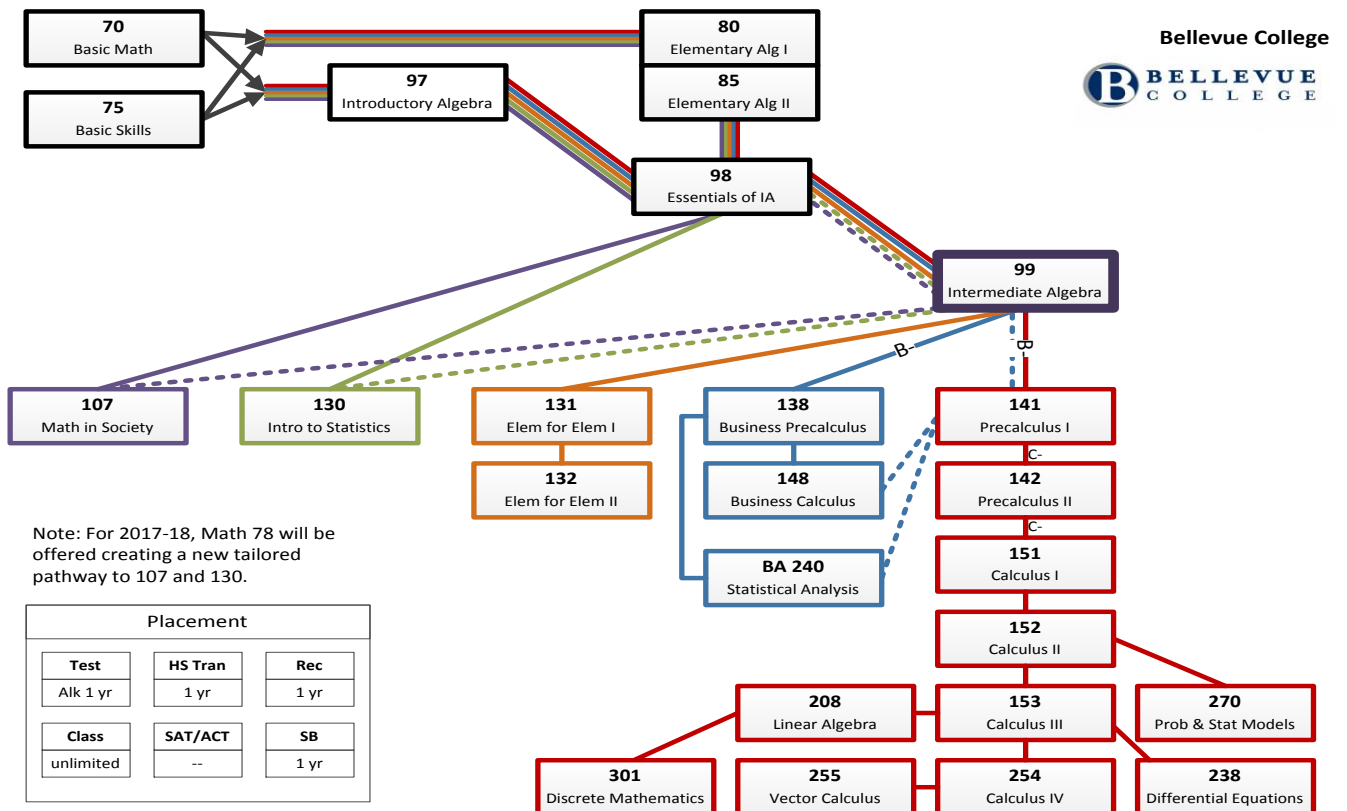


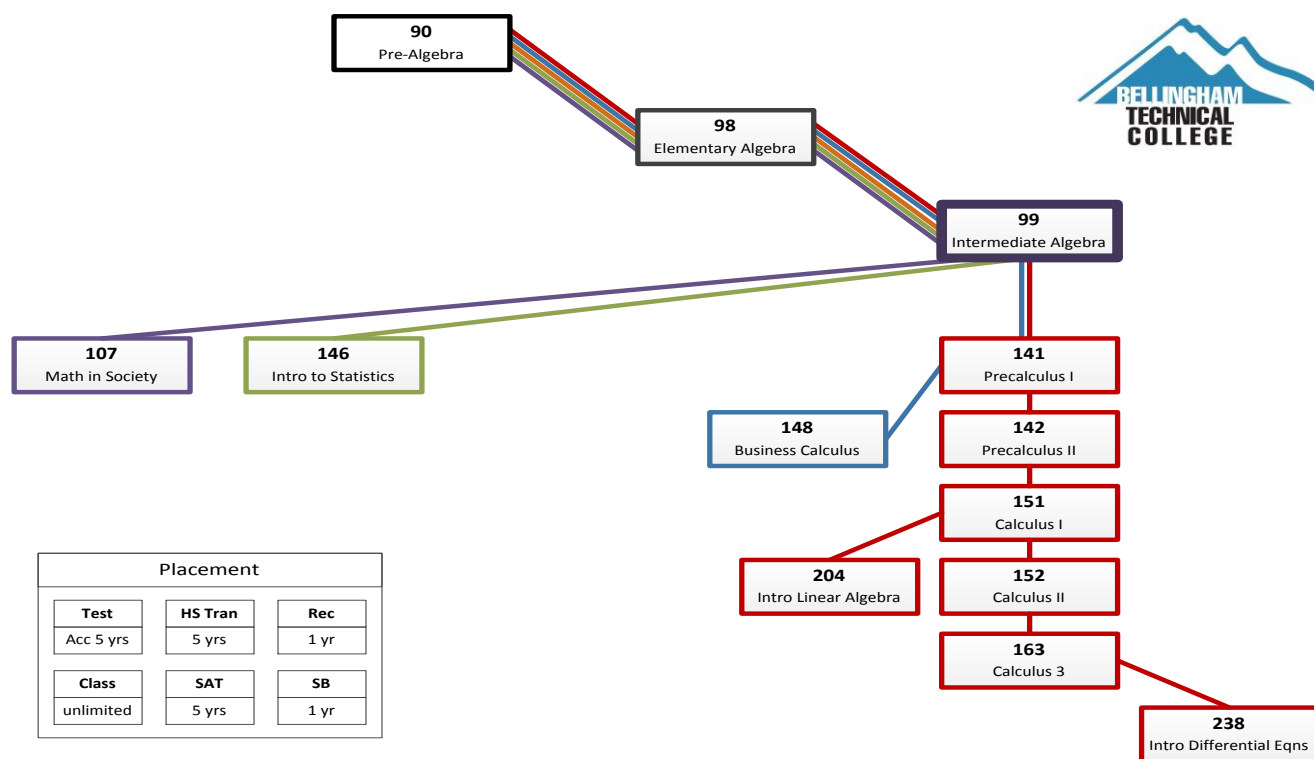
Flowcharts for Universities



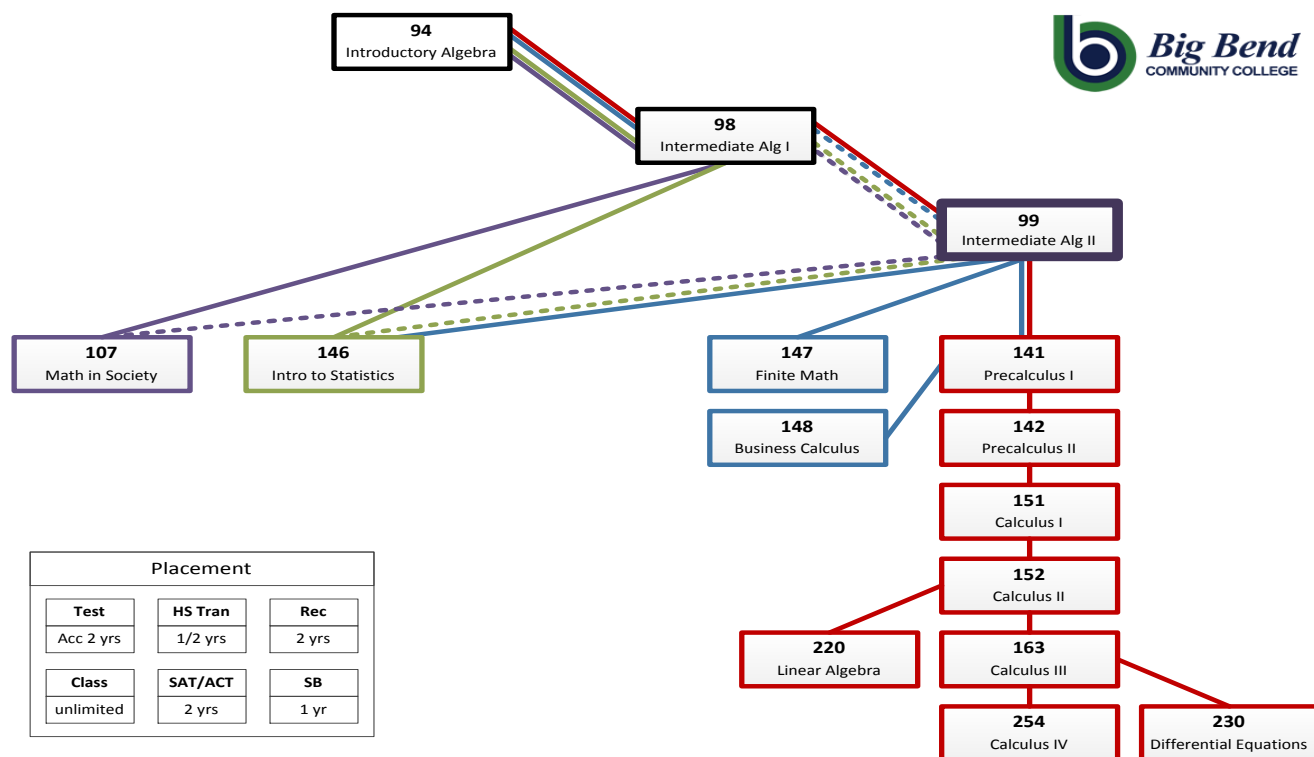


Placement		
Test	HS Tran	Rec
Acc 1 yr	1 yr	1 yr
Class	SAT/ACT	SB
unlimited	--	1 yr

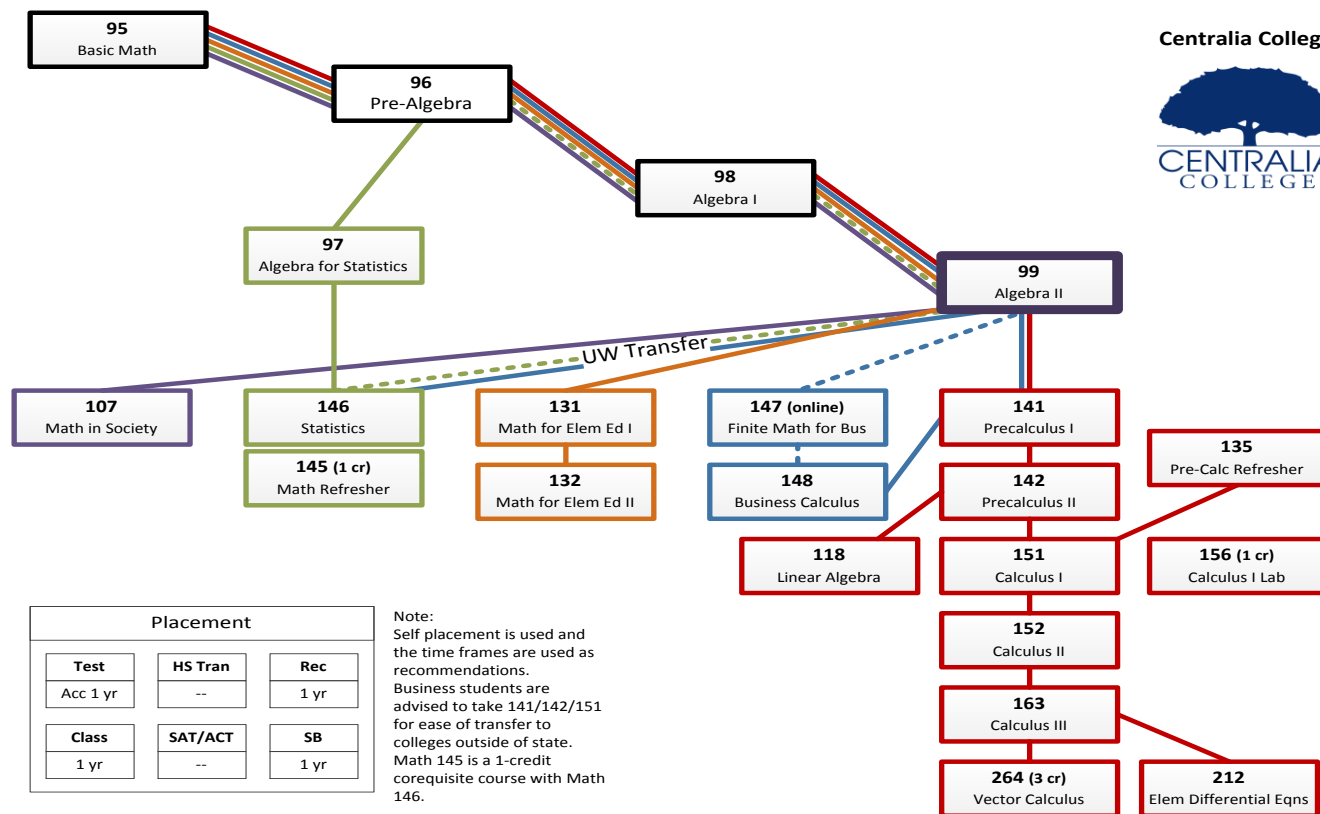
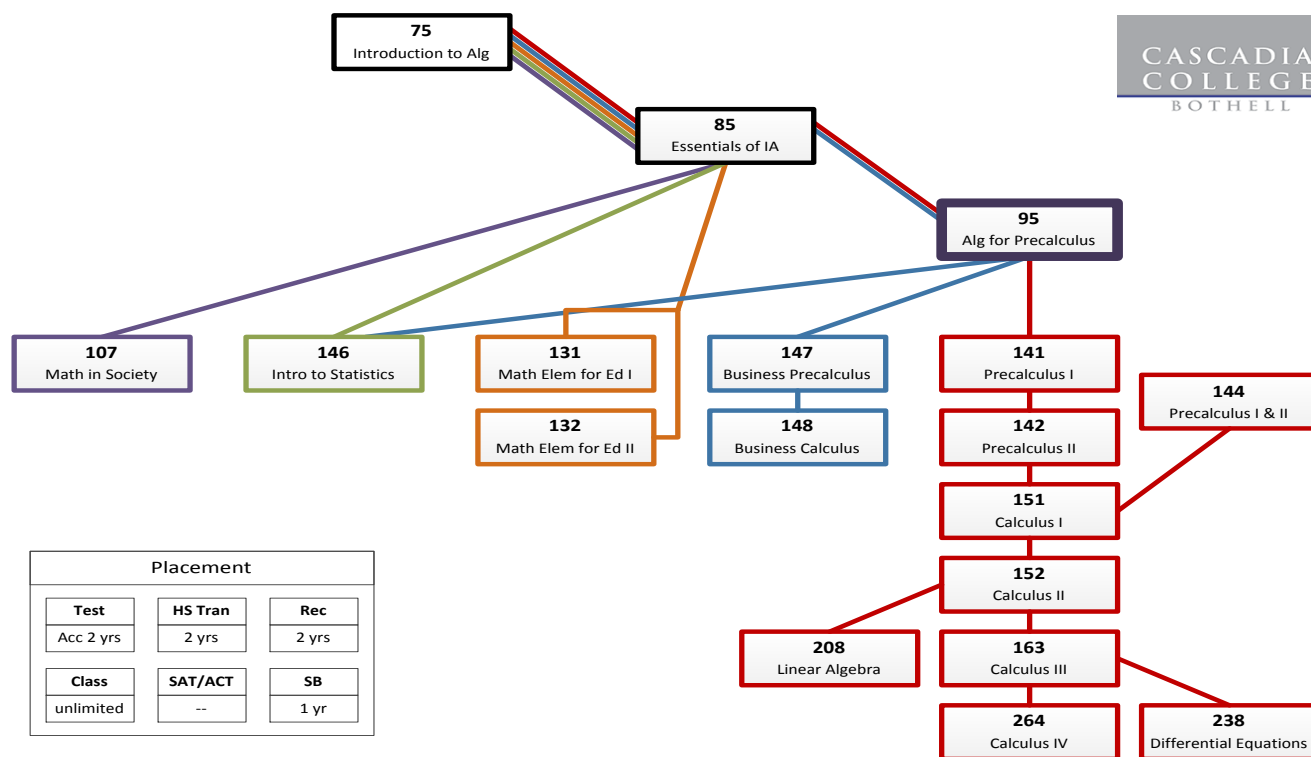




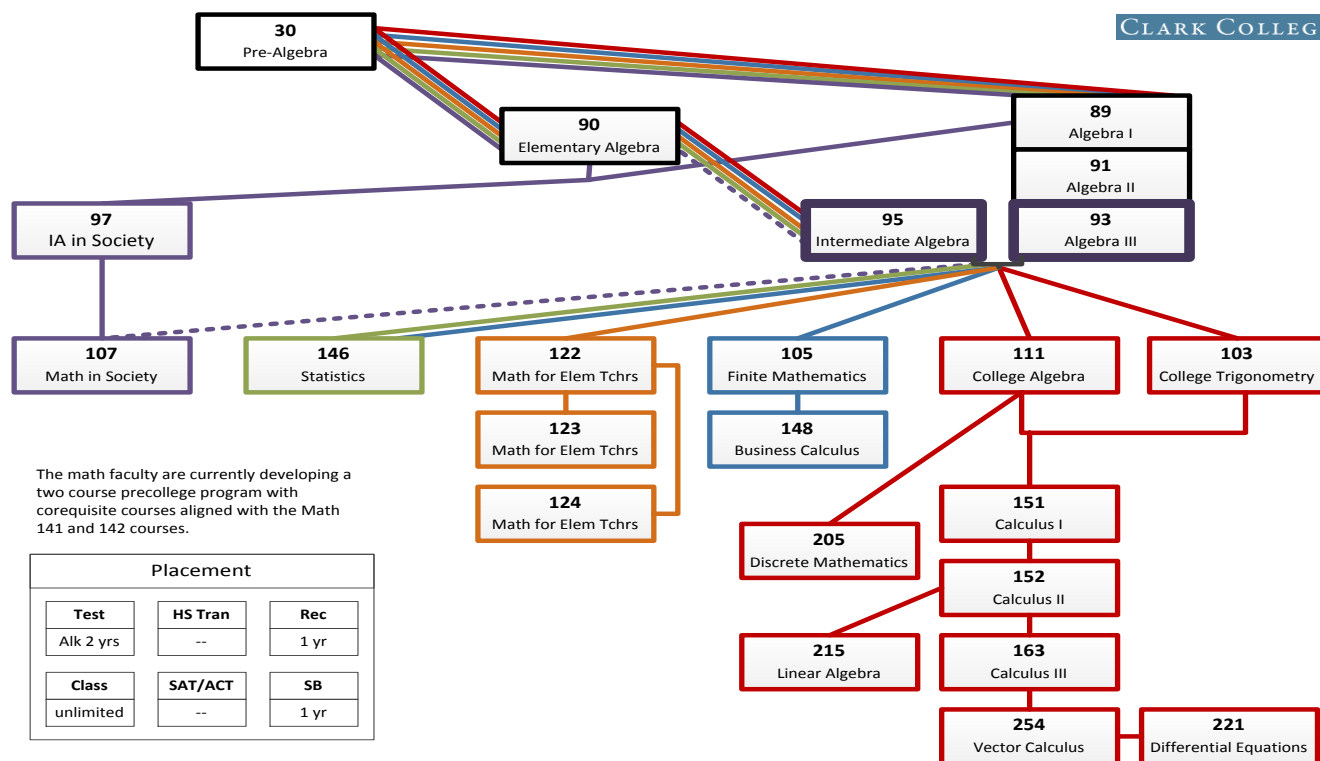
Placement		
Test	HS Tran	Rec
Acc 5 yrs	5 yrs	1 yr
Class	SAT	SB
unlimited	5 yrs	1 yr



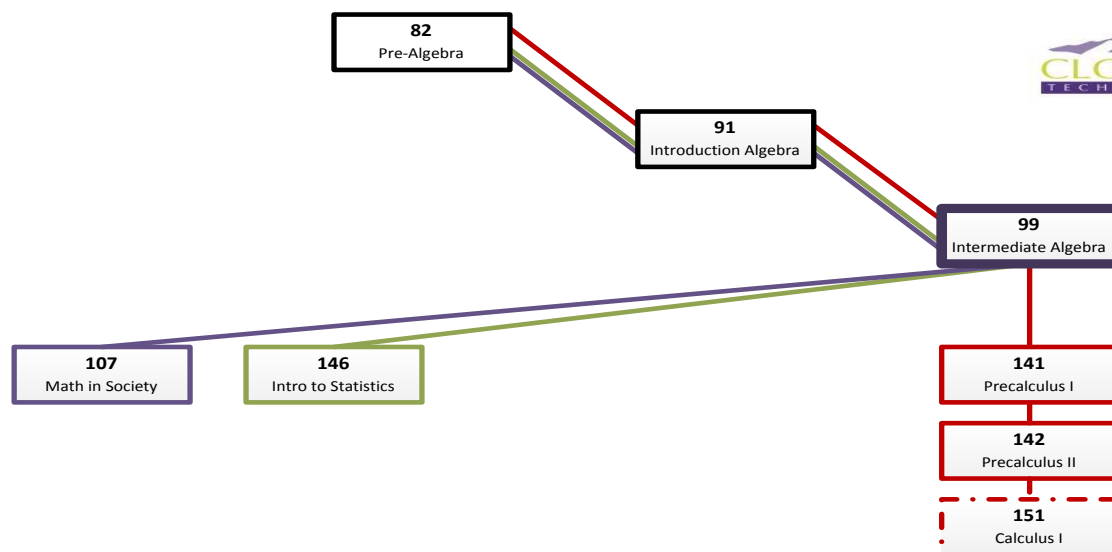
Placement		
Test	HS Tran	Rec
Acc 2 yrs	1/2 yrs	2 yrs
Class	SAT/ACT	SB
unlimited	2 yrs	1 yr



Clark College

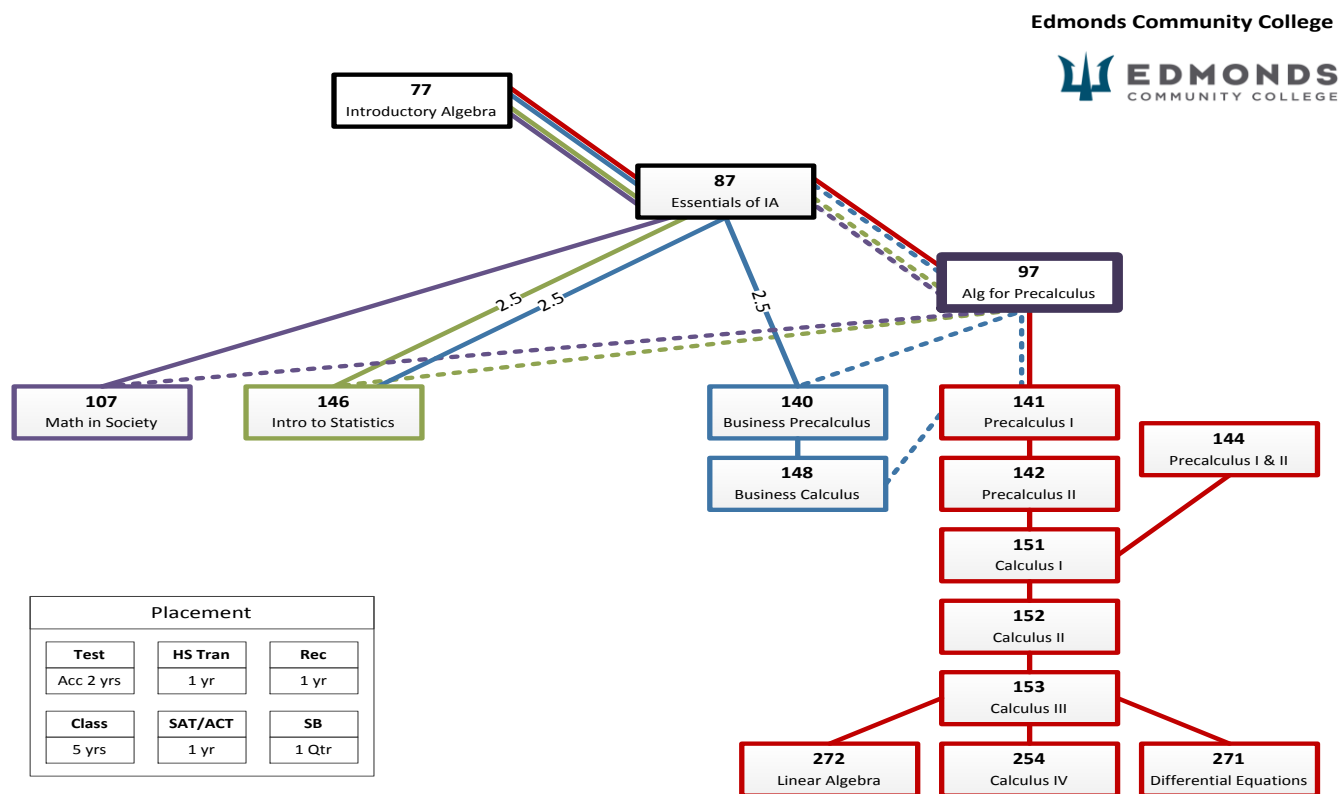
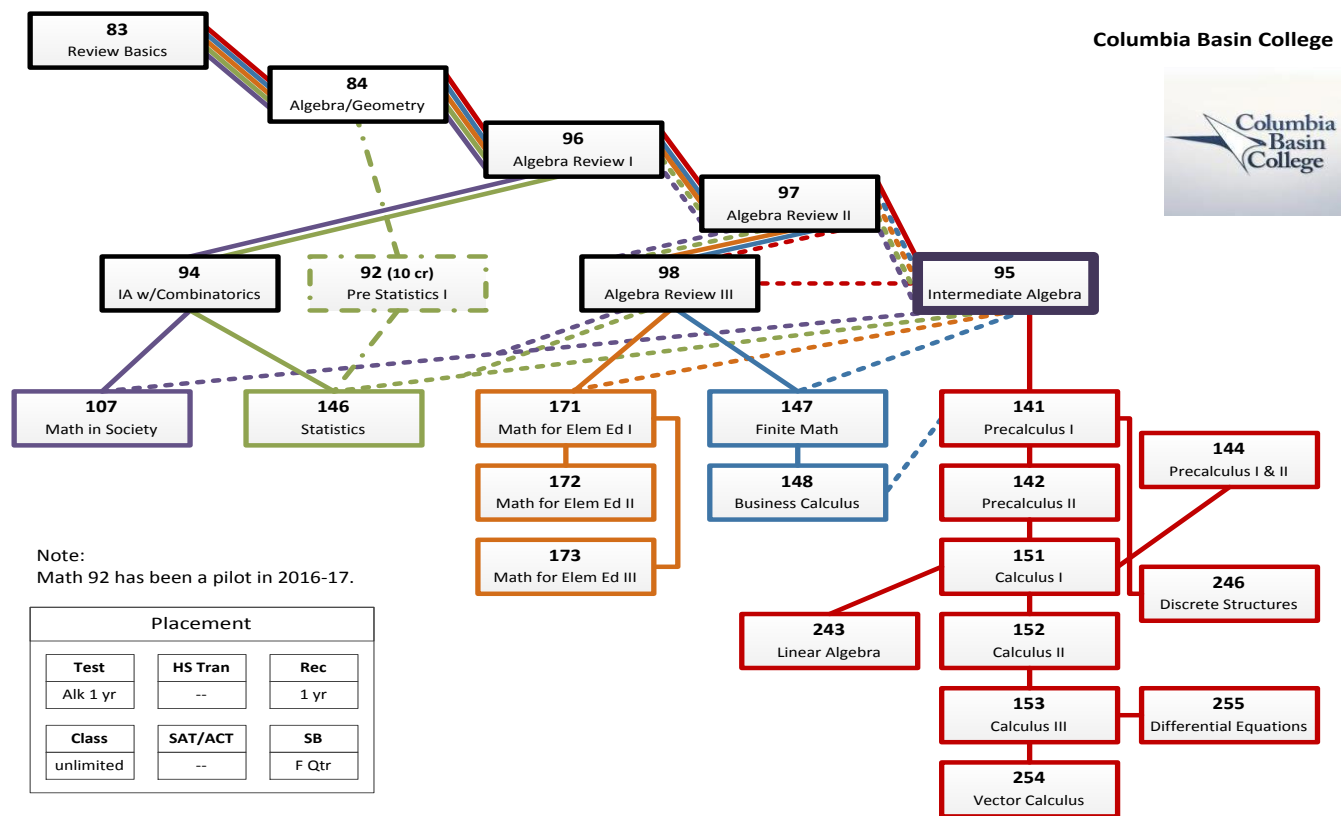


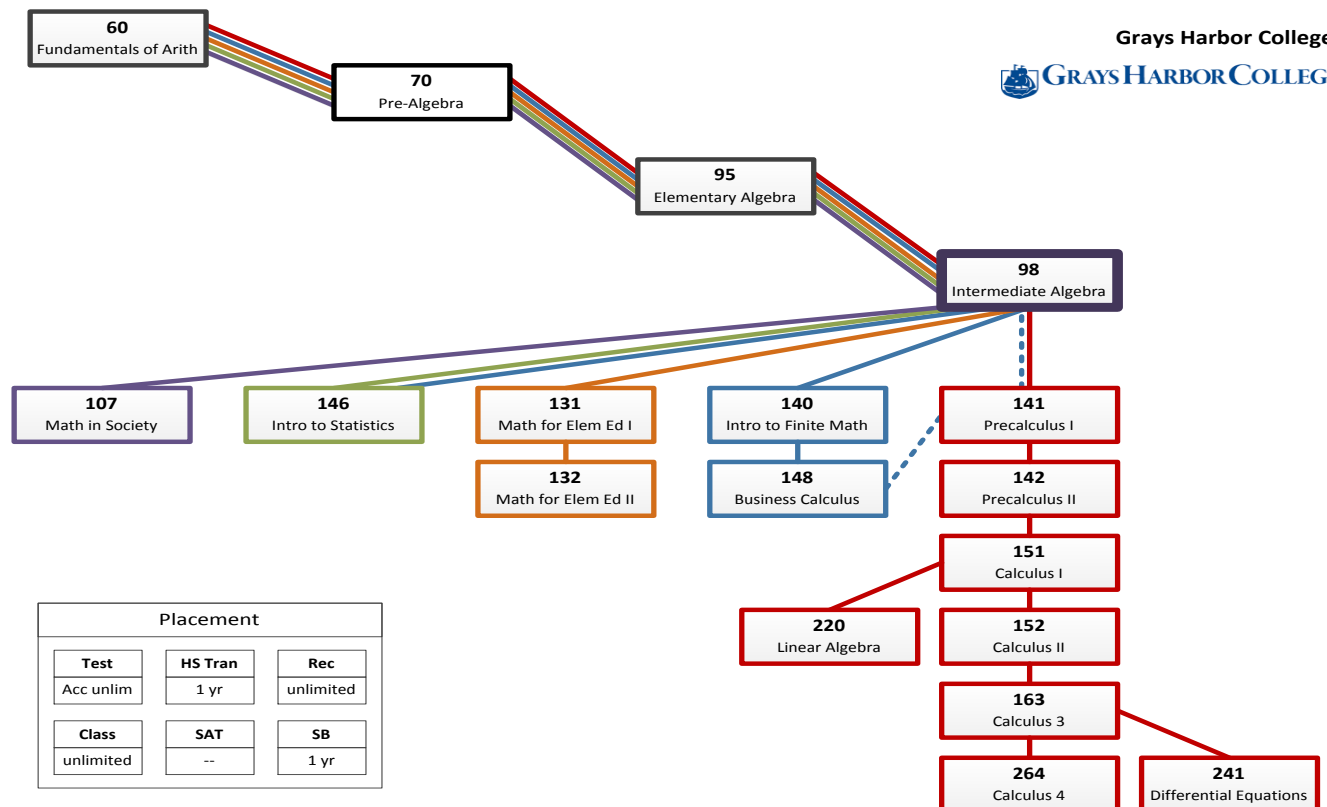
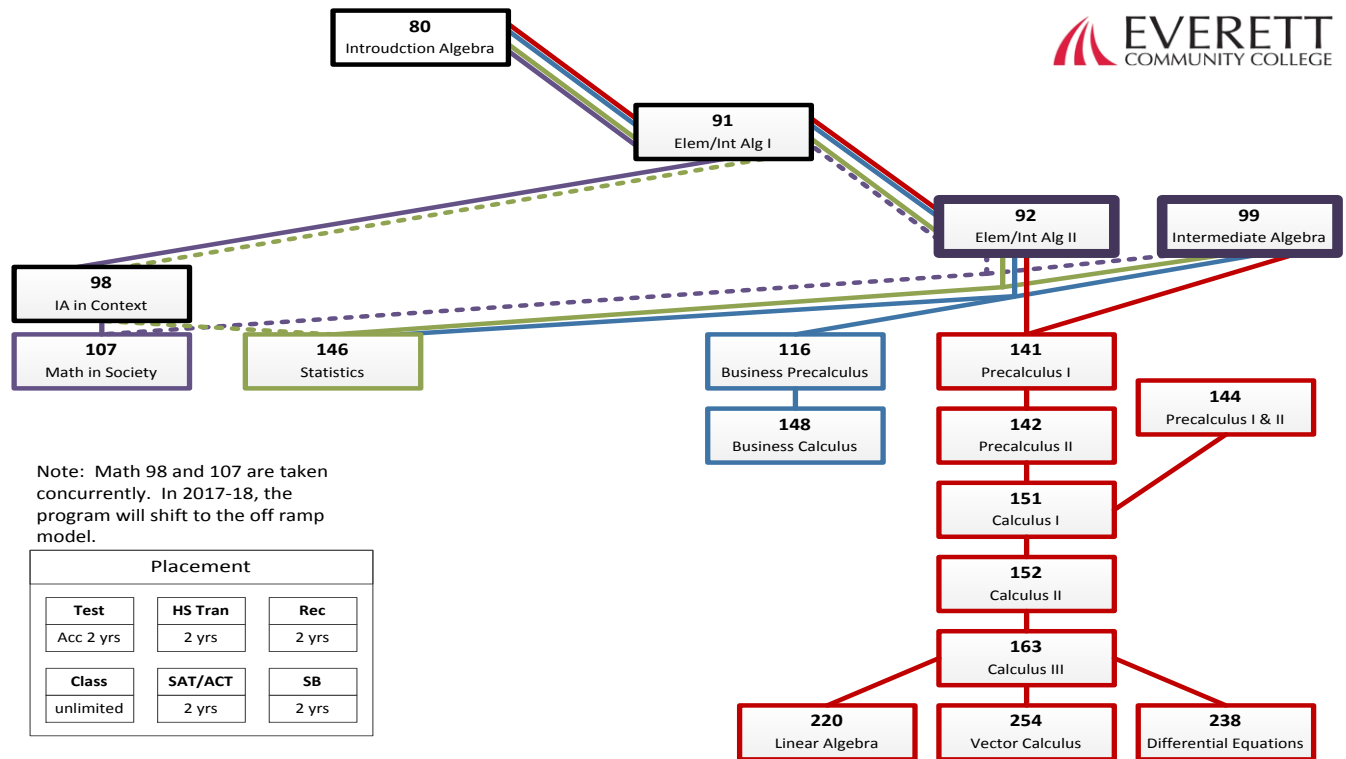
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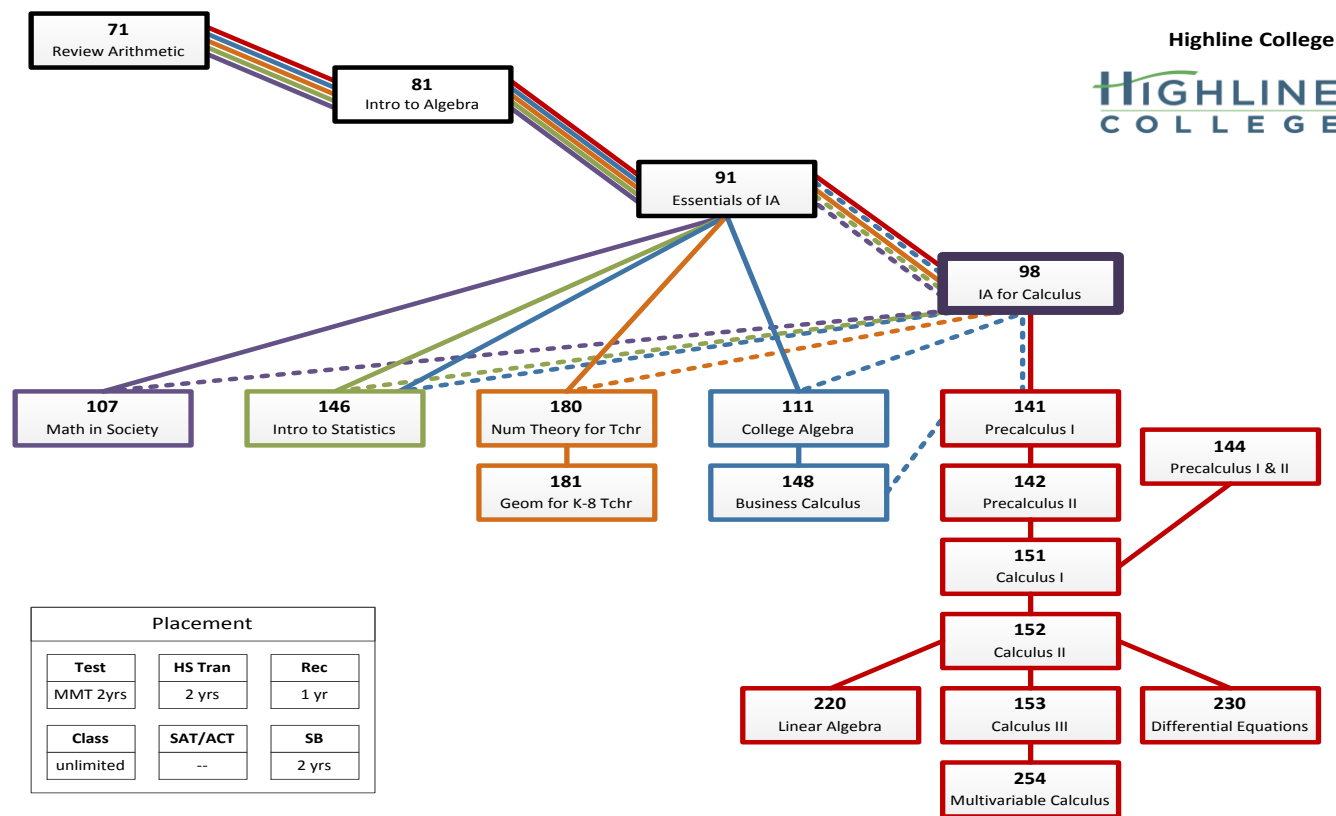
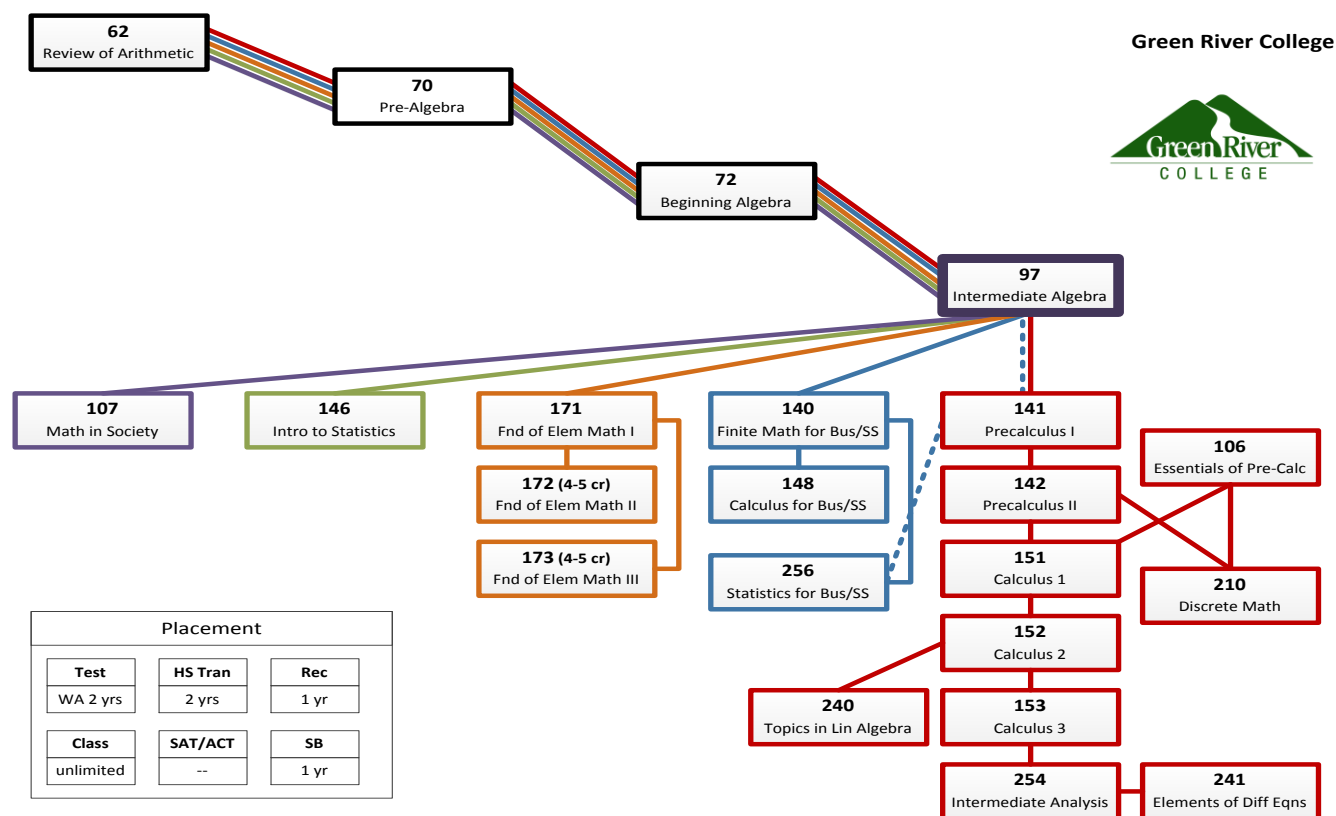


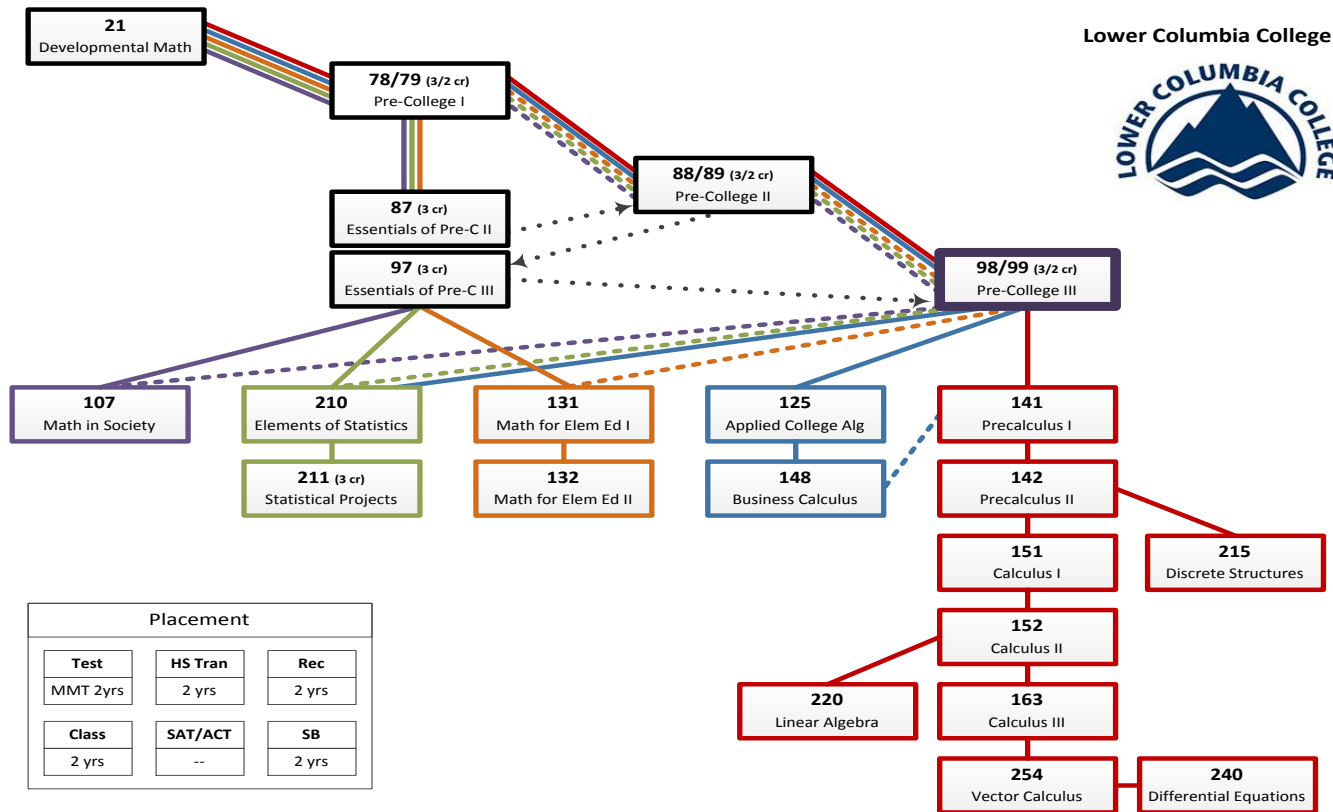
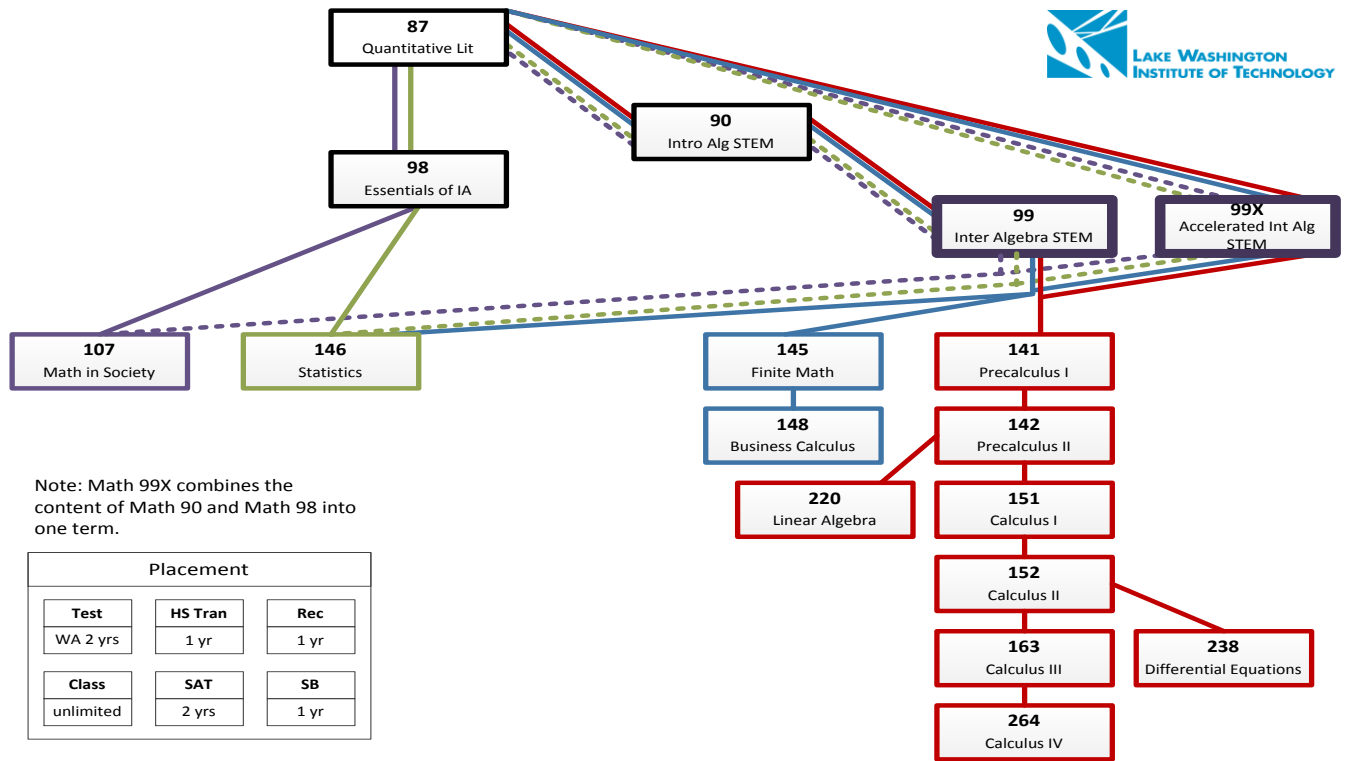
Placement		
Test	HS Tran	Rec
Acc 2 yrs	--	2 yrs
Class	SAT/ACT	SB
unlimited	--	1 yr

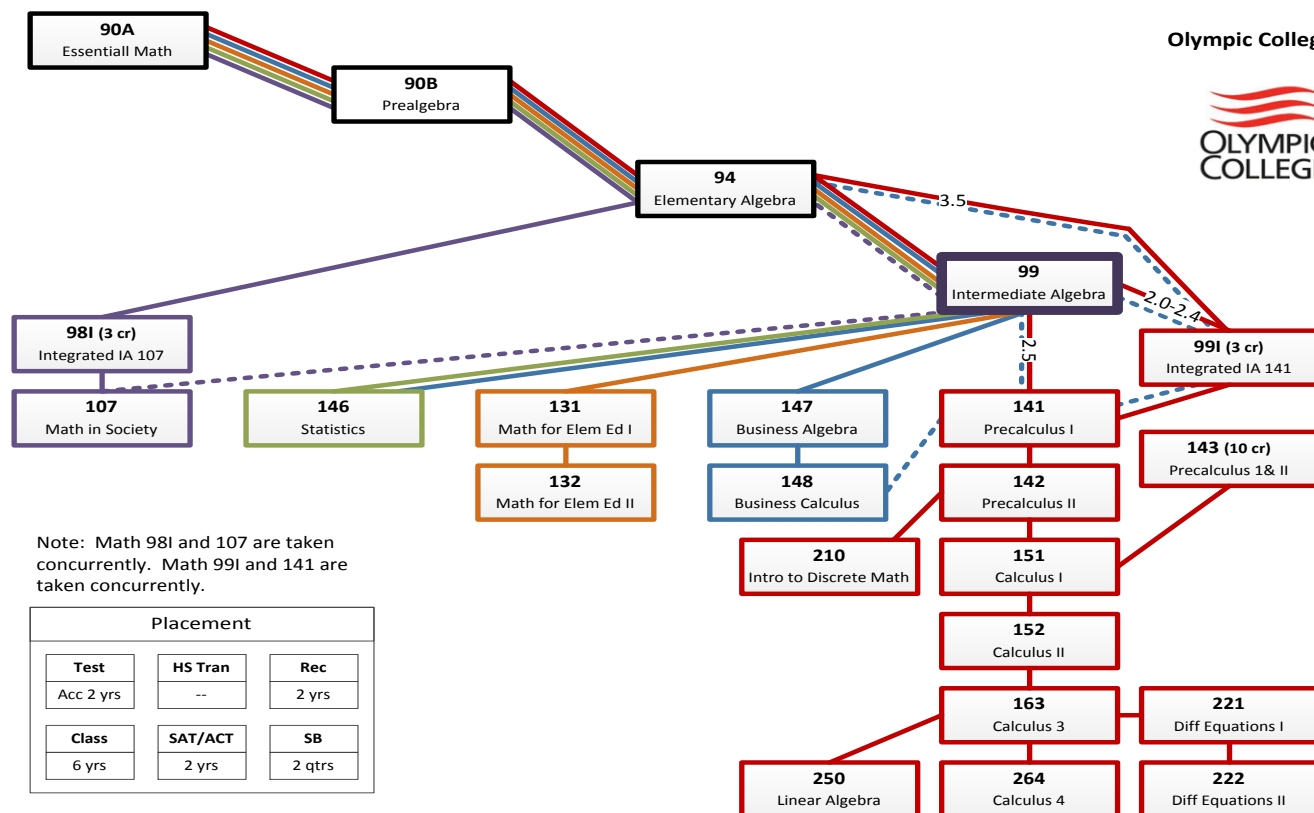
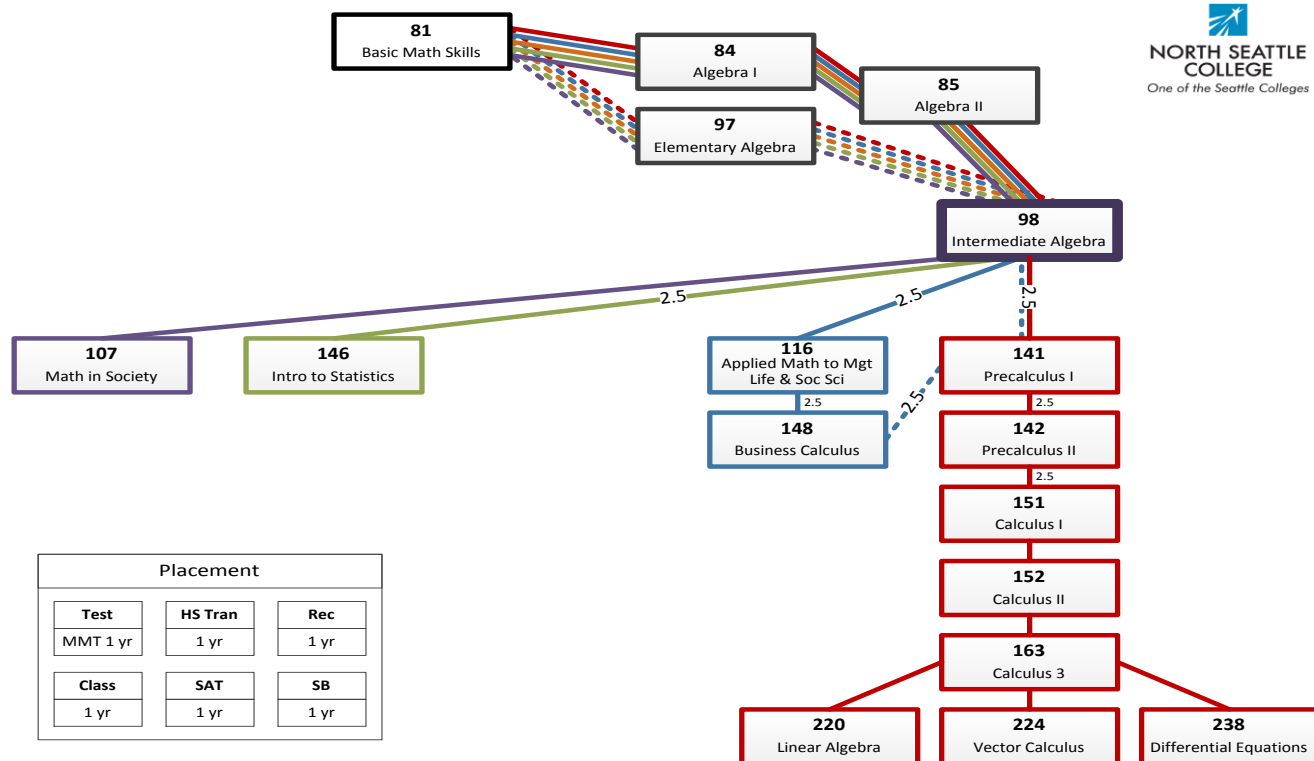
Note: Currently, students are directed to Tacoma or Pierce colleges for Math 151 and higher. In near future, Math 151 will be offered.

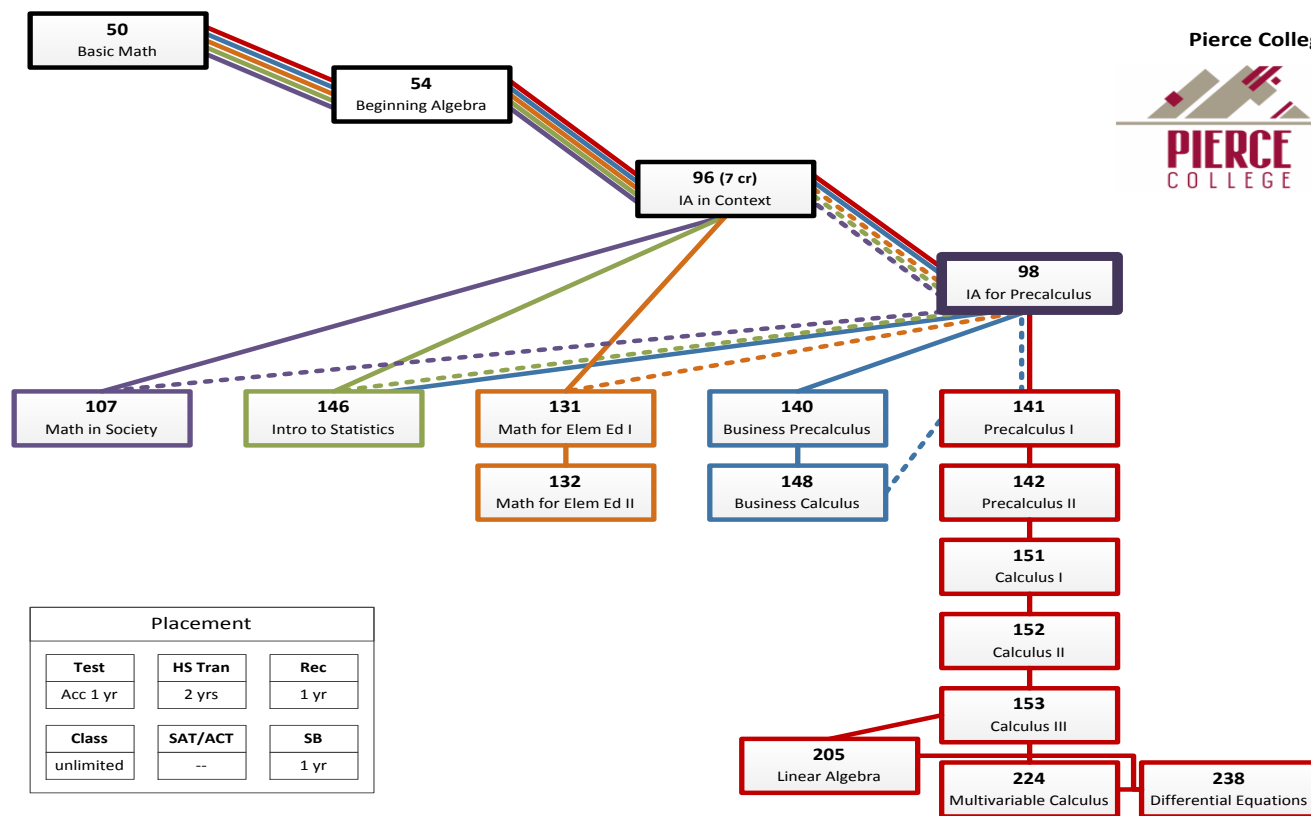
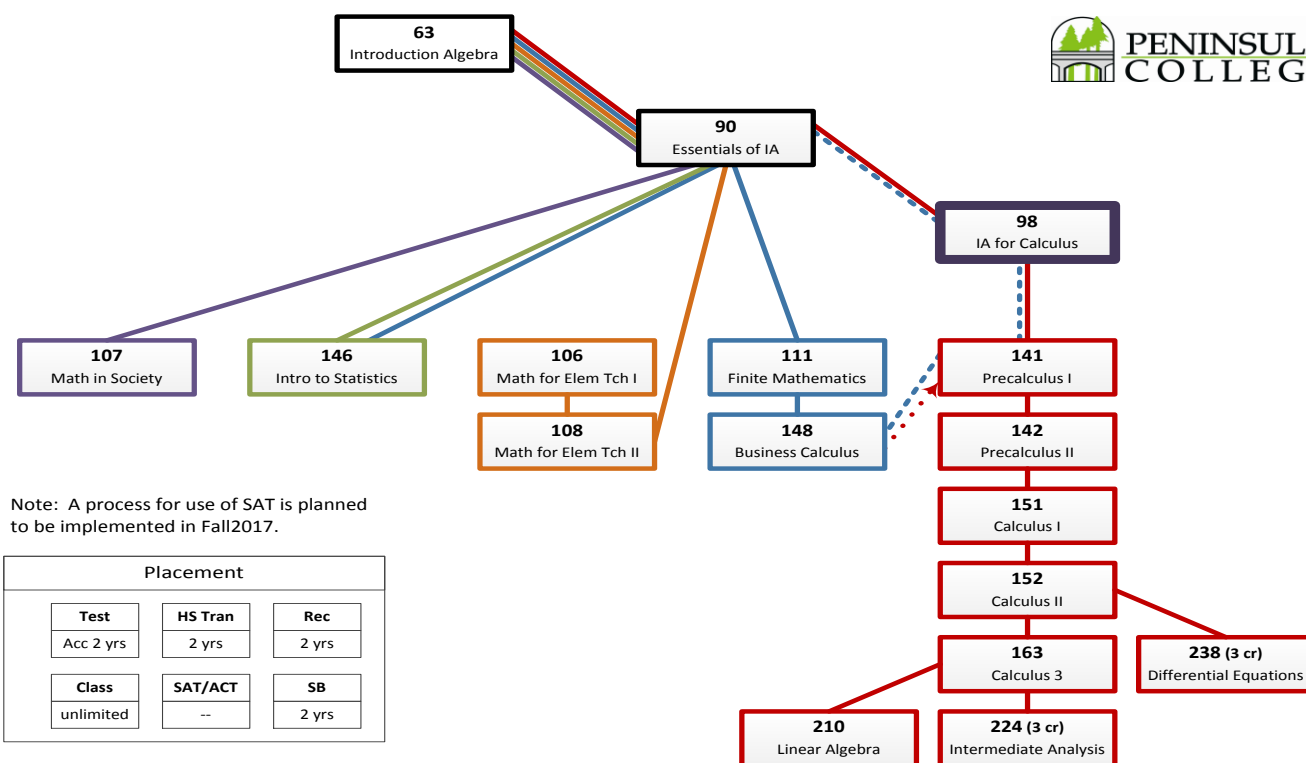


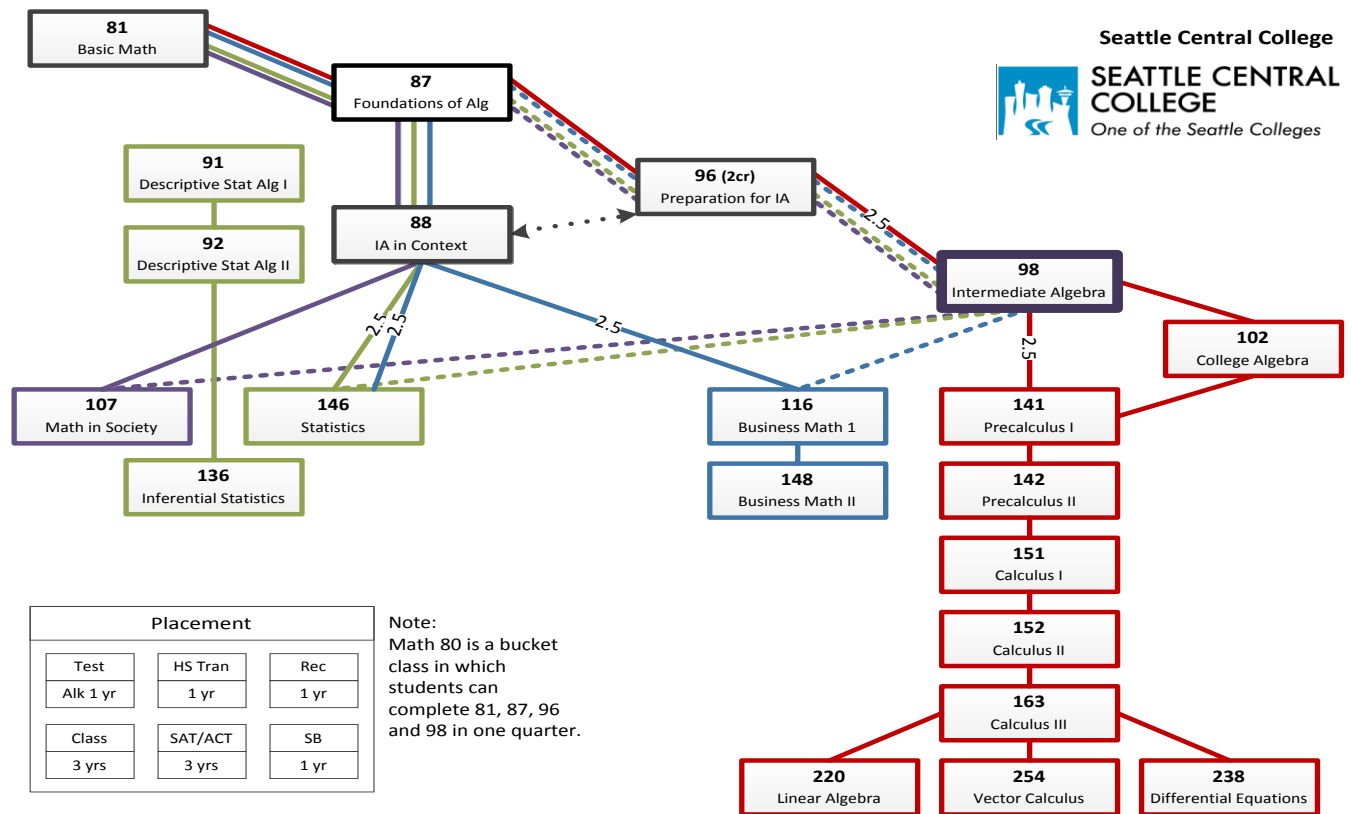
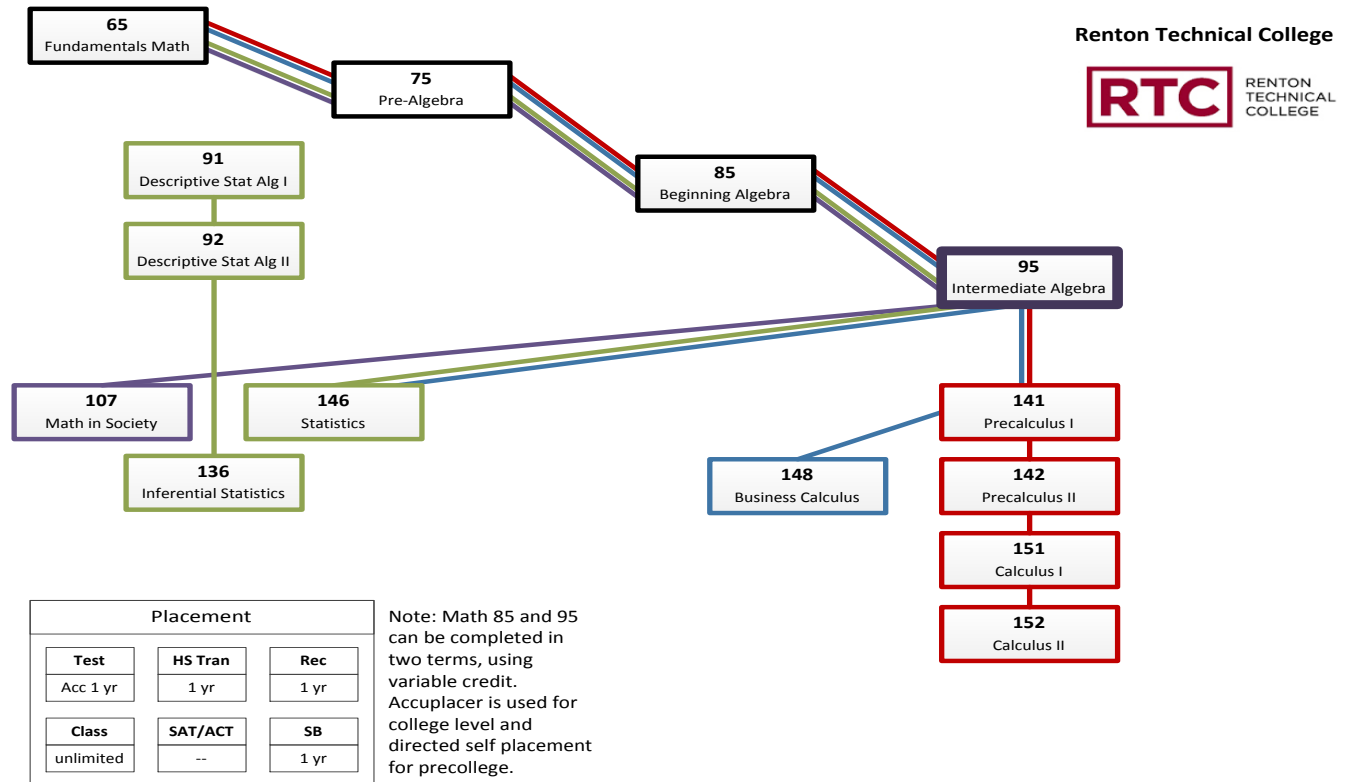


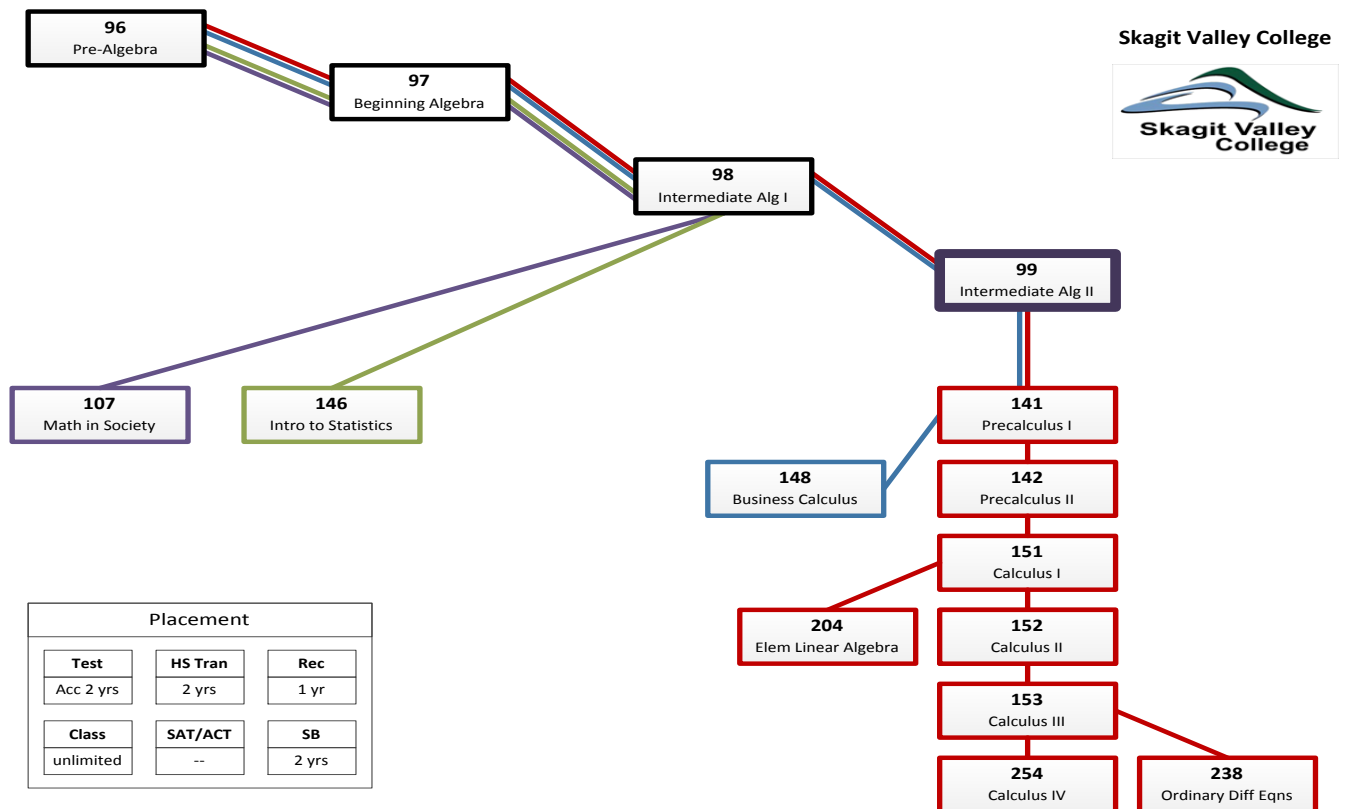
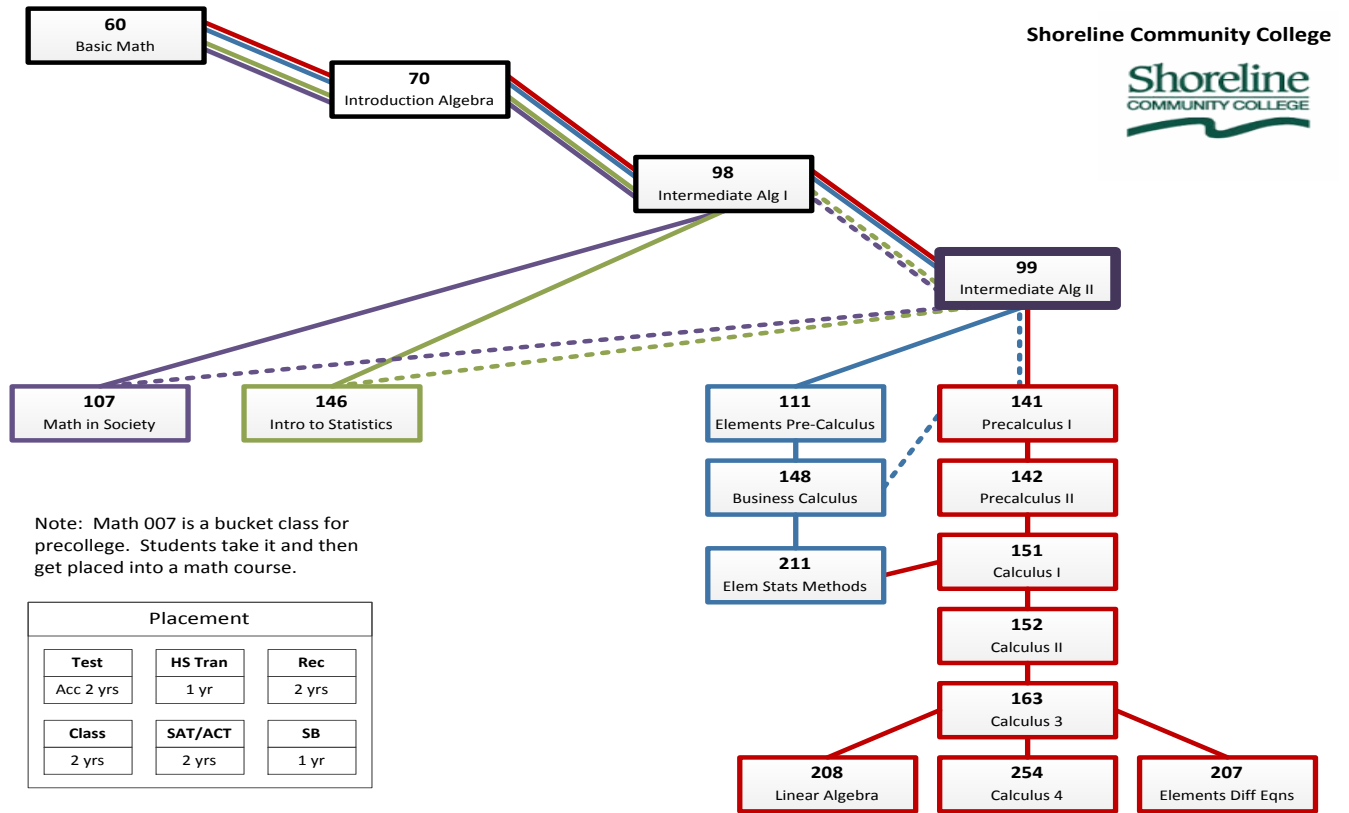


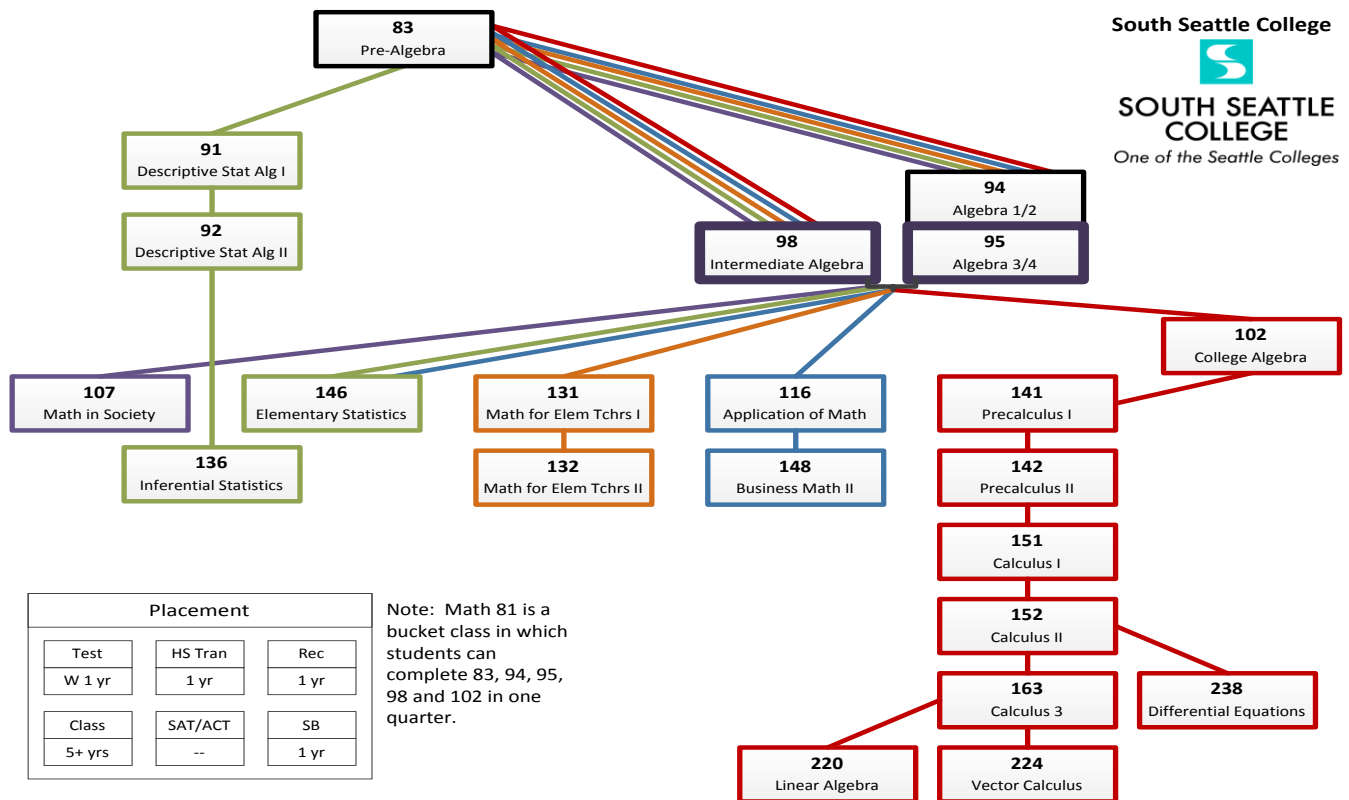
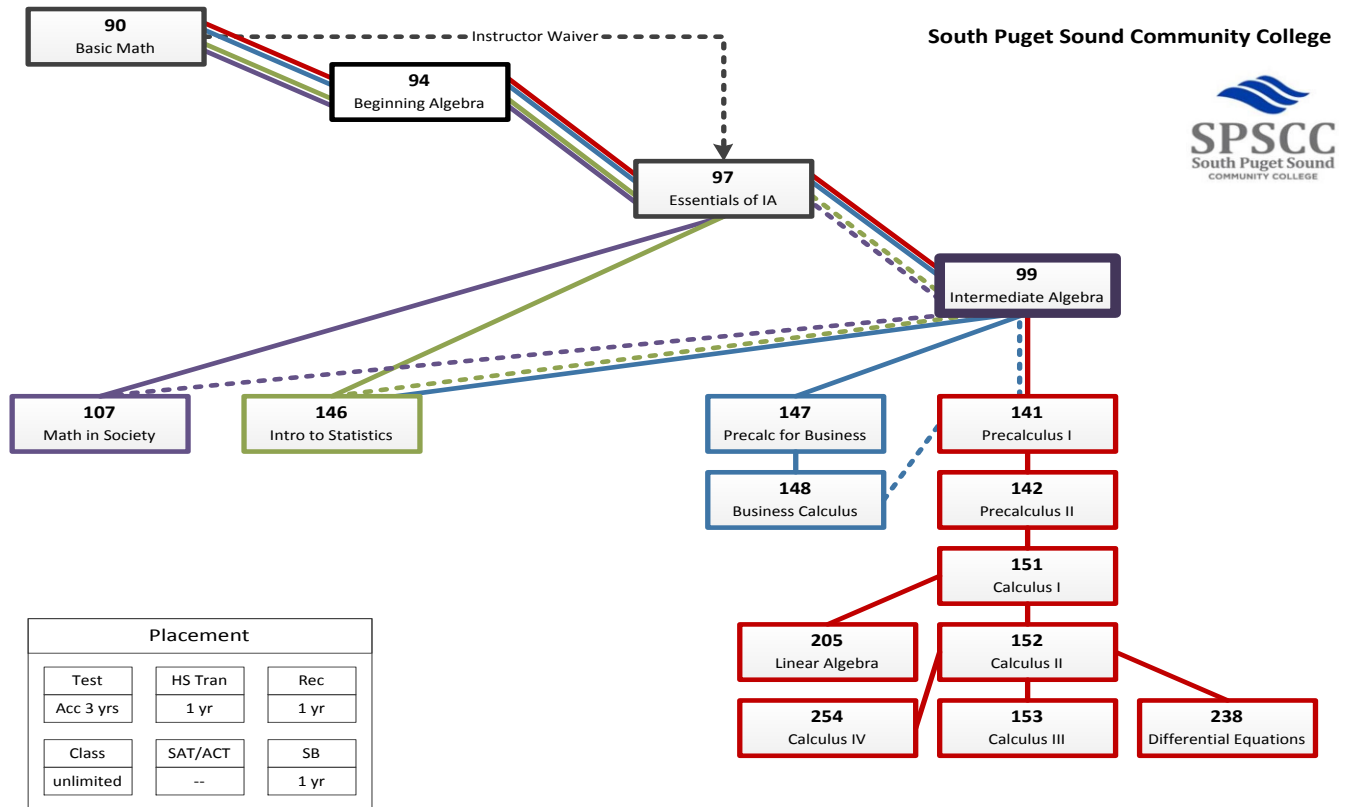




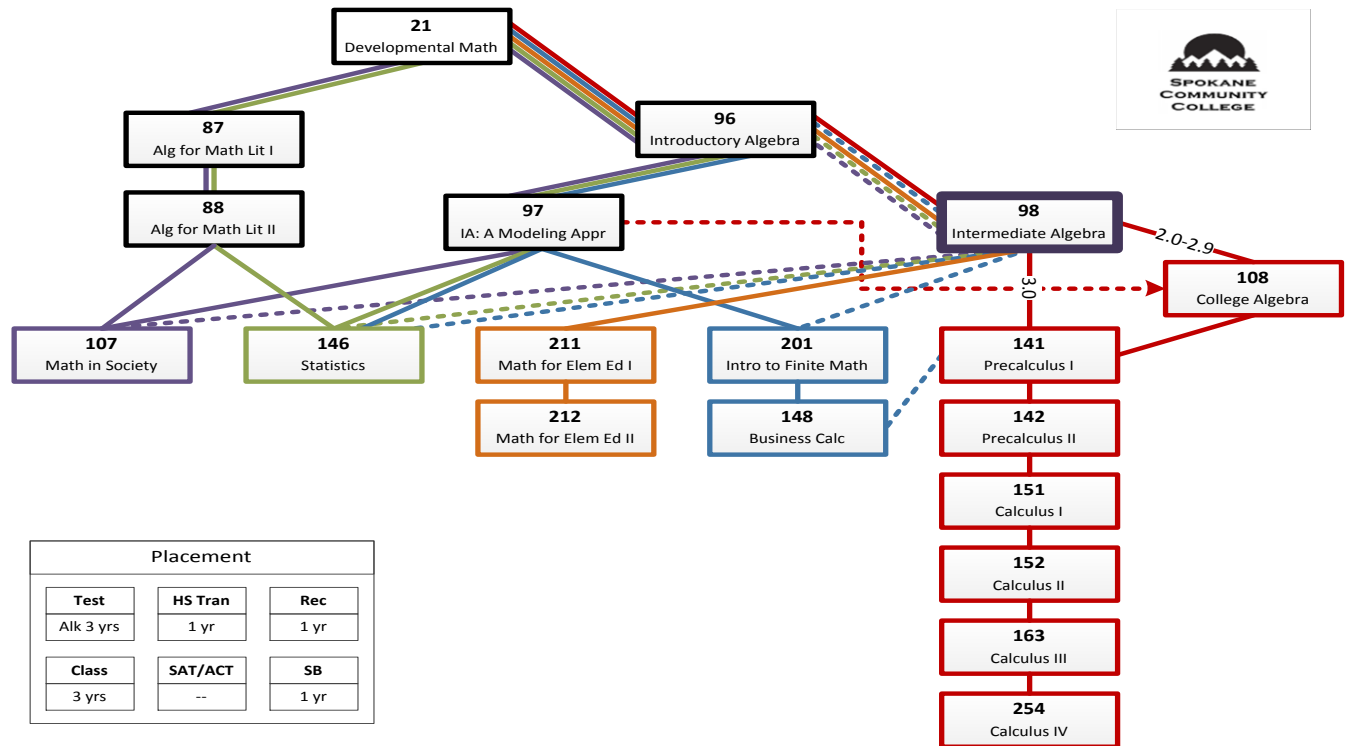




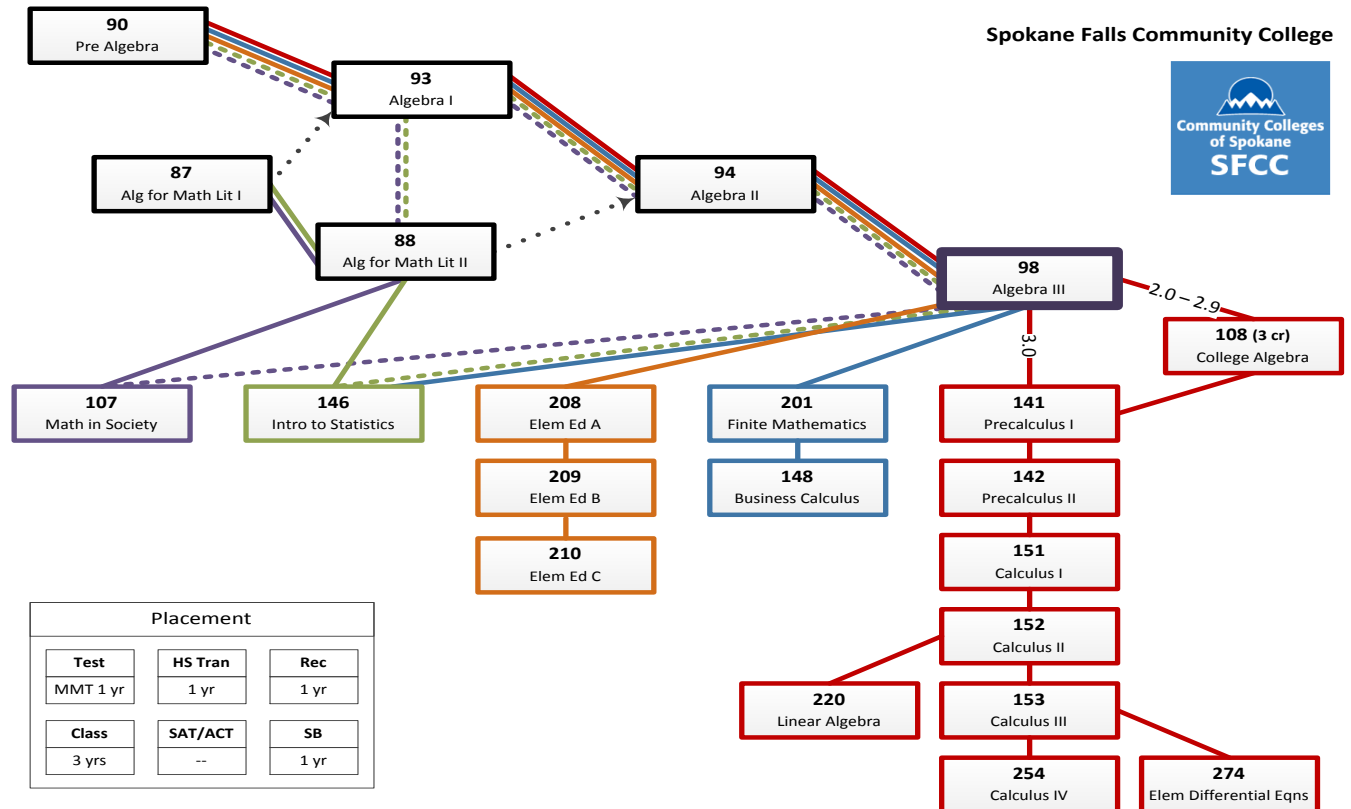


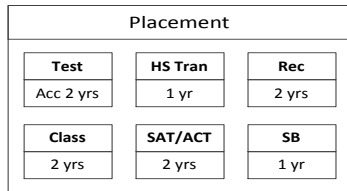


Spokane Community College



Spokane Falls Community College

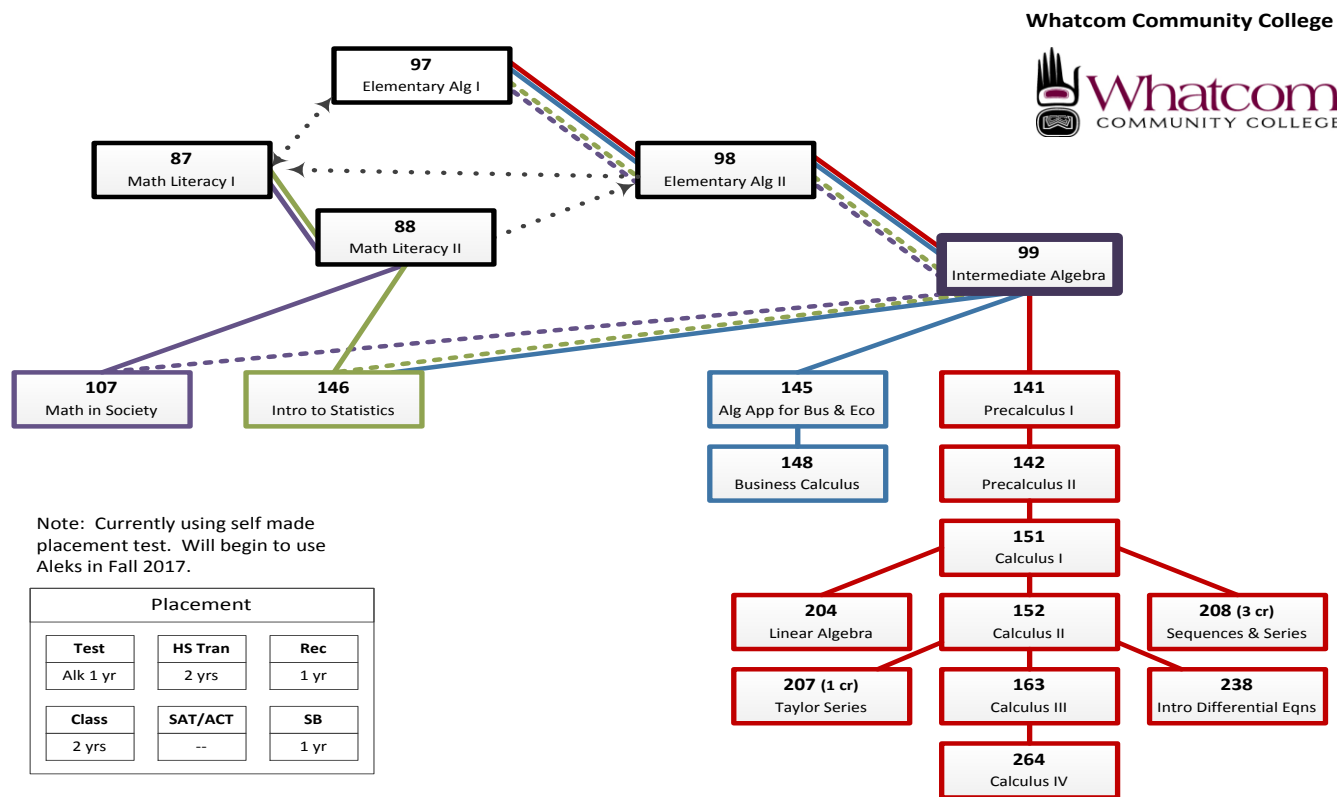
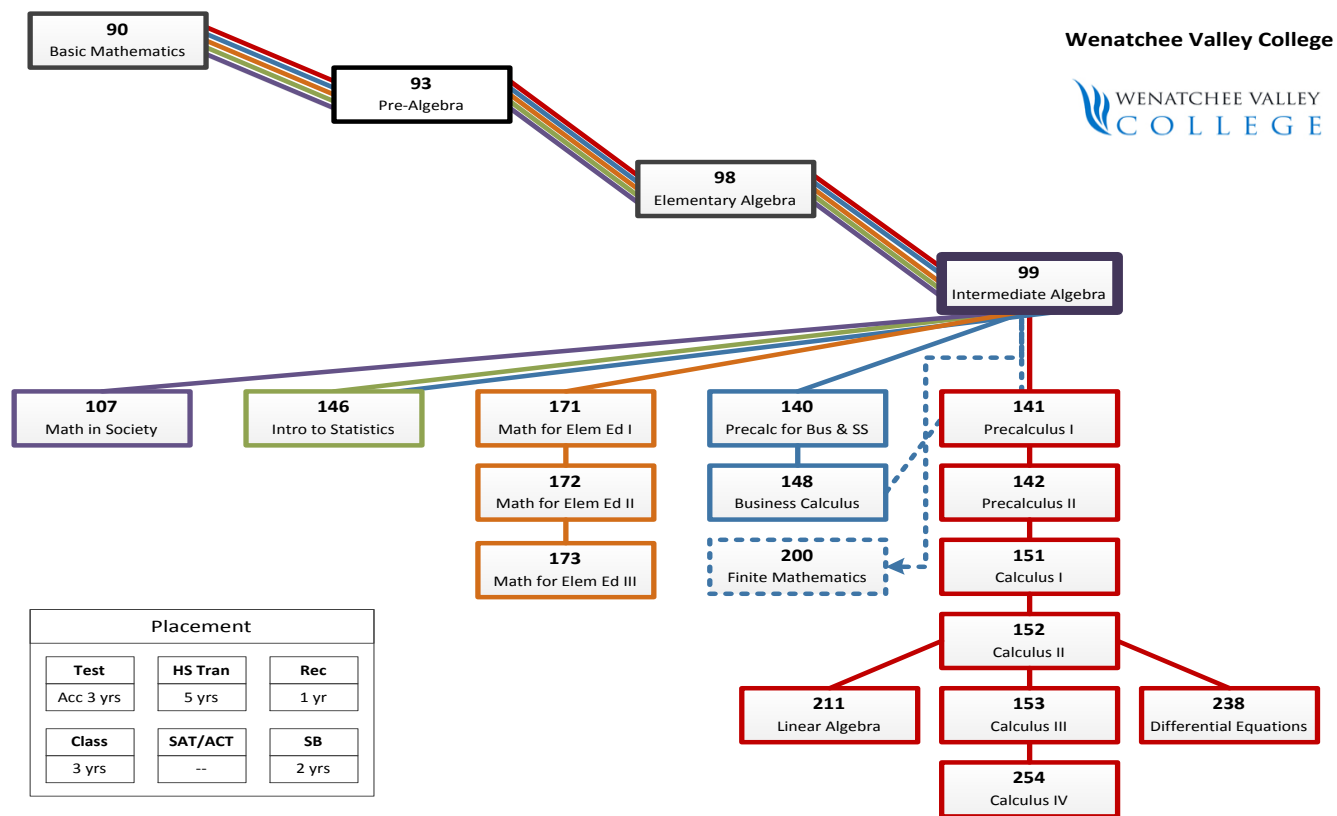


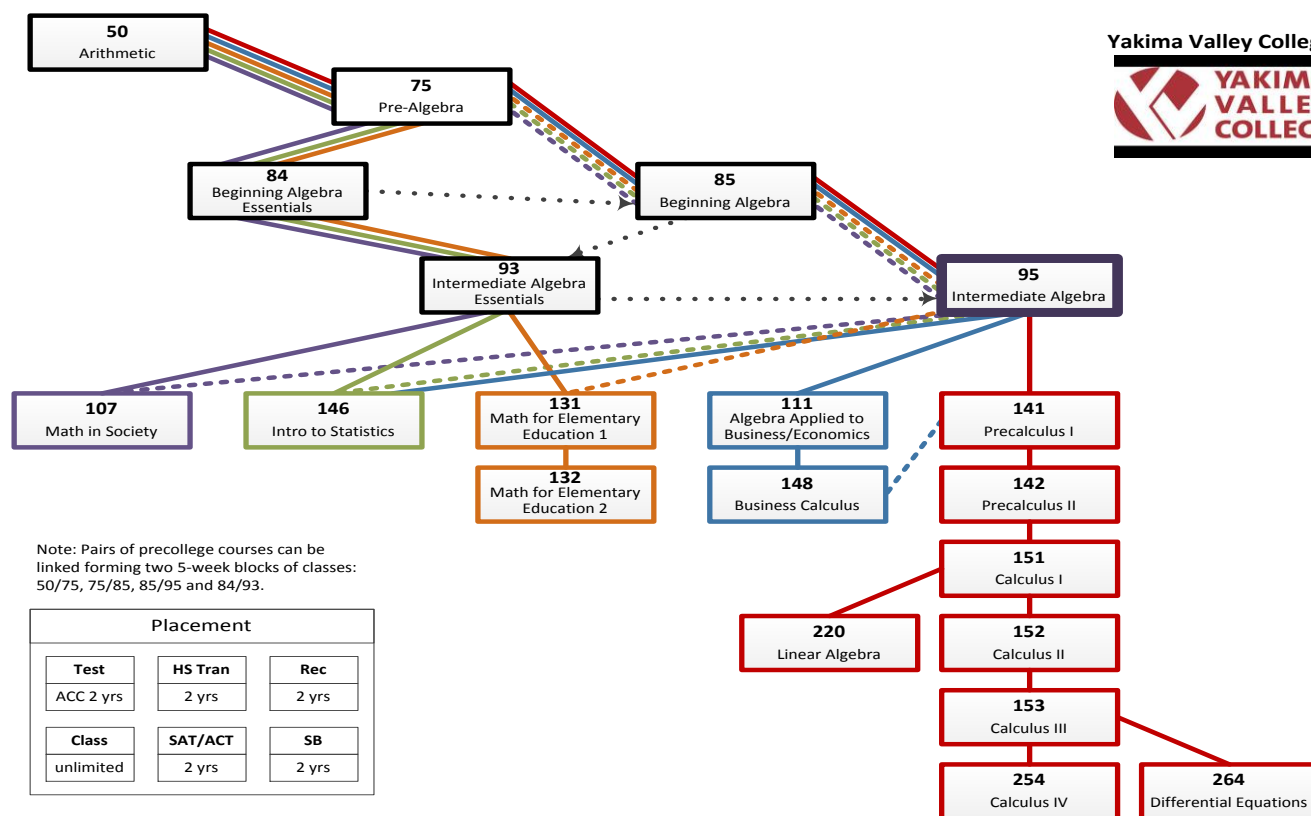


Walla Walla Community College



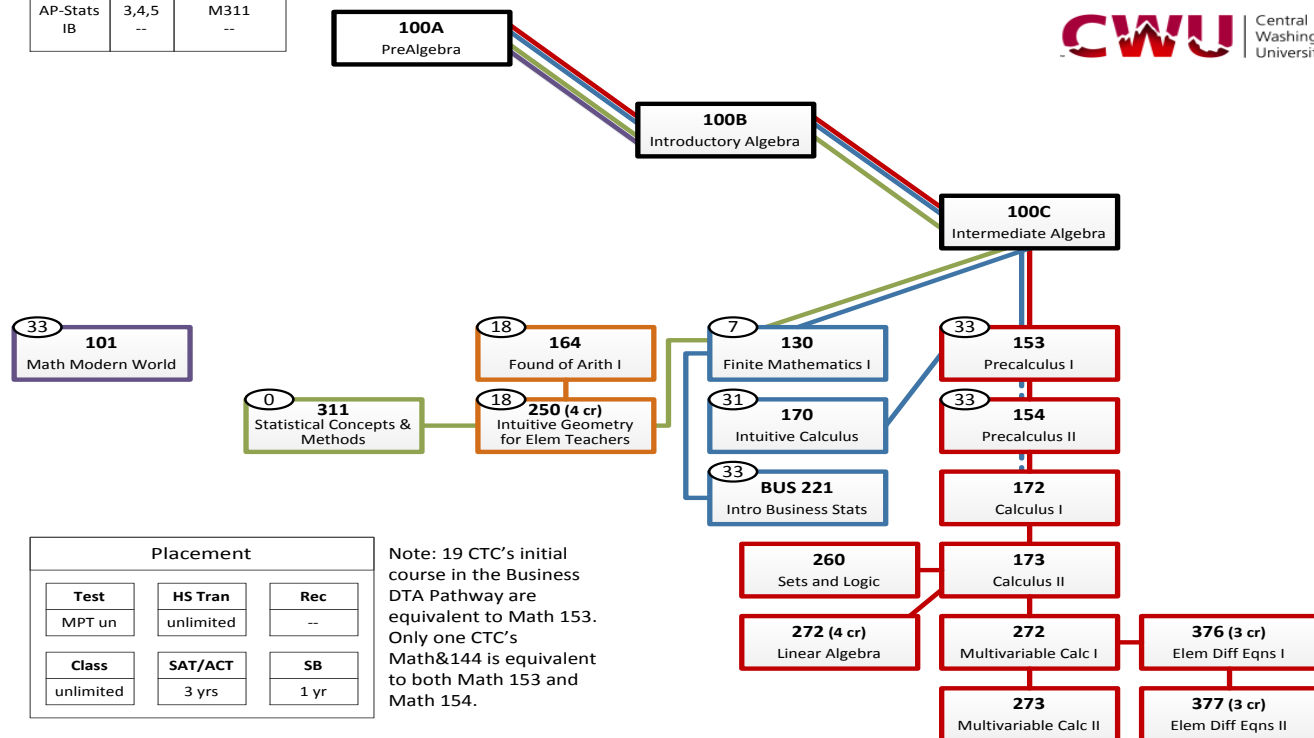
Placement		
Test	HS Tran	Rec
Acc 1 yr	2 yrs	1 yr
Class	SAT/ACT	SB
unlimited	2 yrs	1 yr





AP/IB Credit		
AP-AB	3,4,5	M172
AP-BC	3,4,5	M172&M173
AP-Stats	3,4,5	M311
IB	--	--

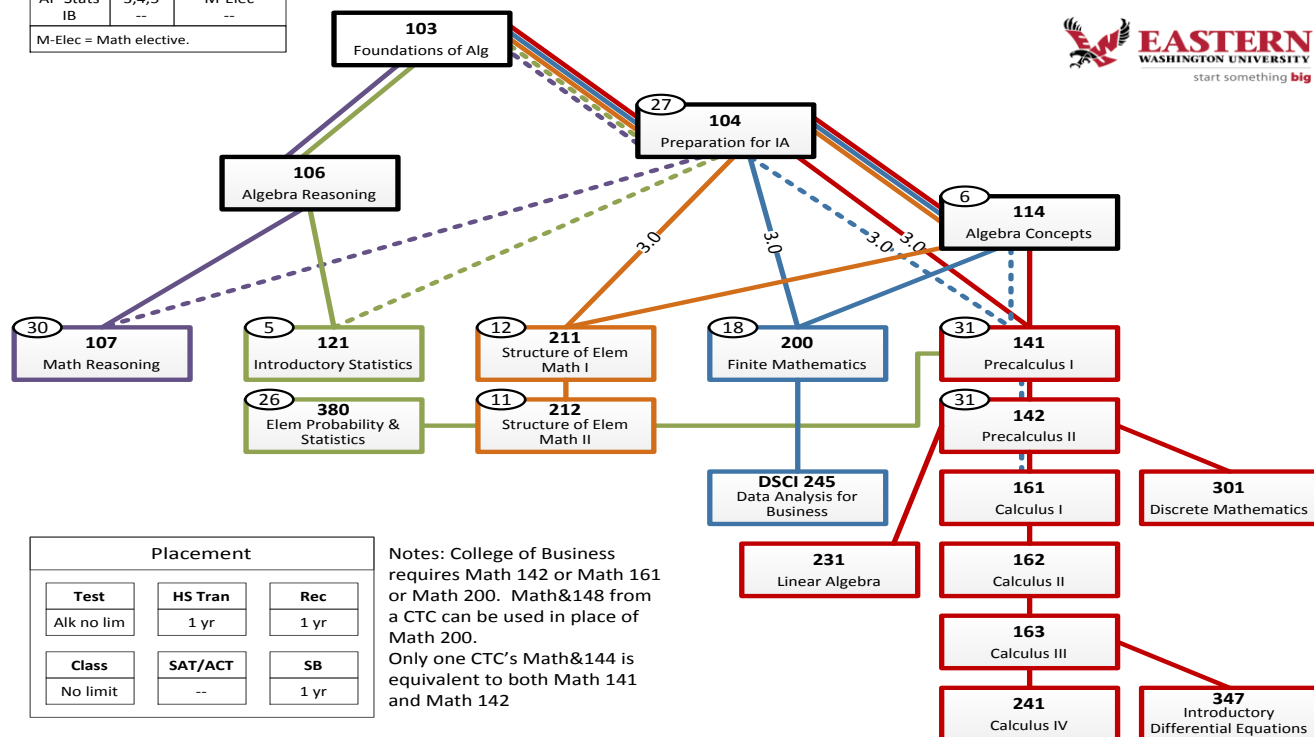
Central Washington University



AP/IB Credit		
AP-AB	3,4,5	M142
AP-BC	3,4,5	M142
AP-Stats	3,4,5	M-Elec
IB	--	--

M-Elec = Math elective.

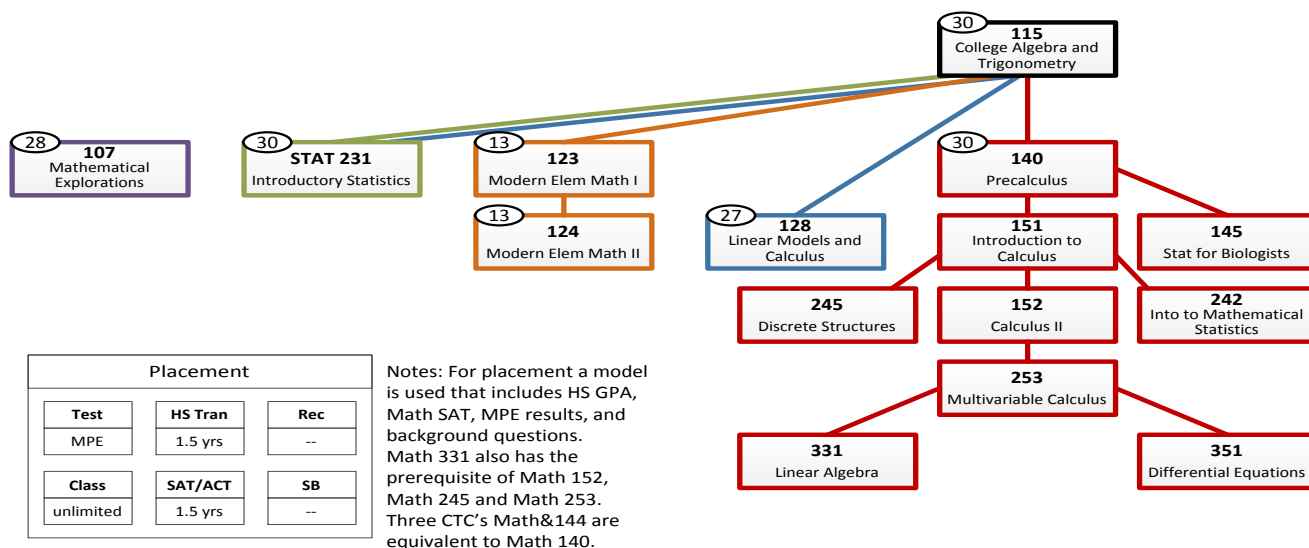
Eastern Washington University



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

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

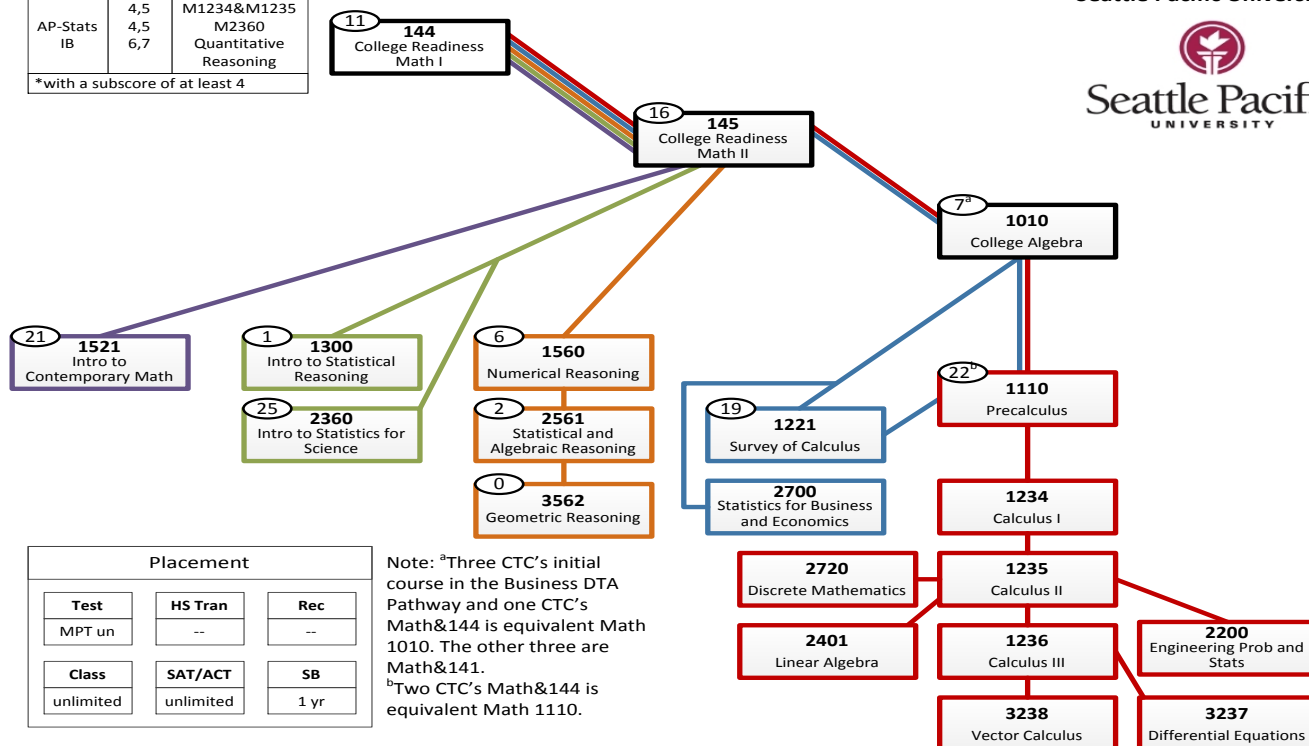
Pacific Lutheran University



AP/IB Credit		
AP-AB	4,5	M1234
AP-BC	3	M1234*
	4,5	M1234&M1235
AP-Stats	4,5	M2360
IB	6,7	Quantitative Reasoning

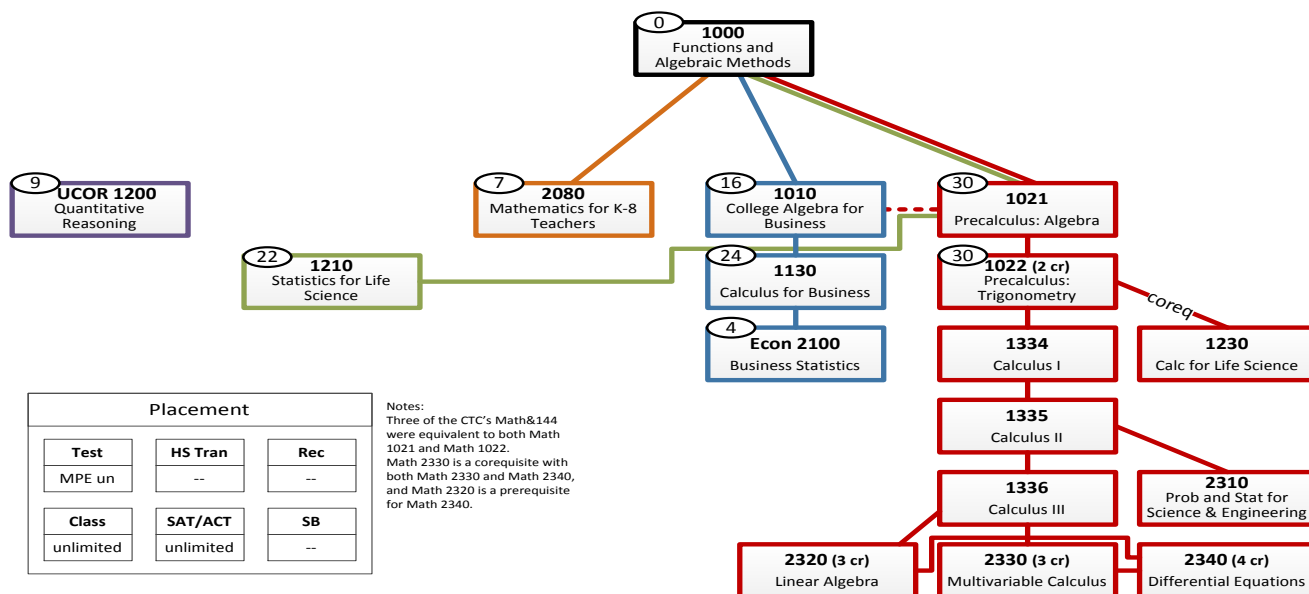
*with a subscore of at least 4

Seattle Pacific 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
AP-Stats	3,4,5	M1210&ECON2100
IB	6,7	M1130 or M1230
IB-HL	5,6	M1130 or 1230 or 1334
	7	M1335

Seattle University



AP/IB Credit		
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 3, 4, or 5.

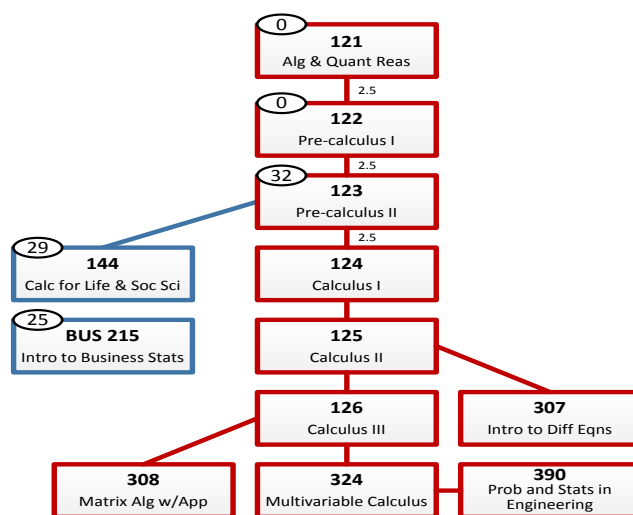
University of Washington—Bothell



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

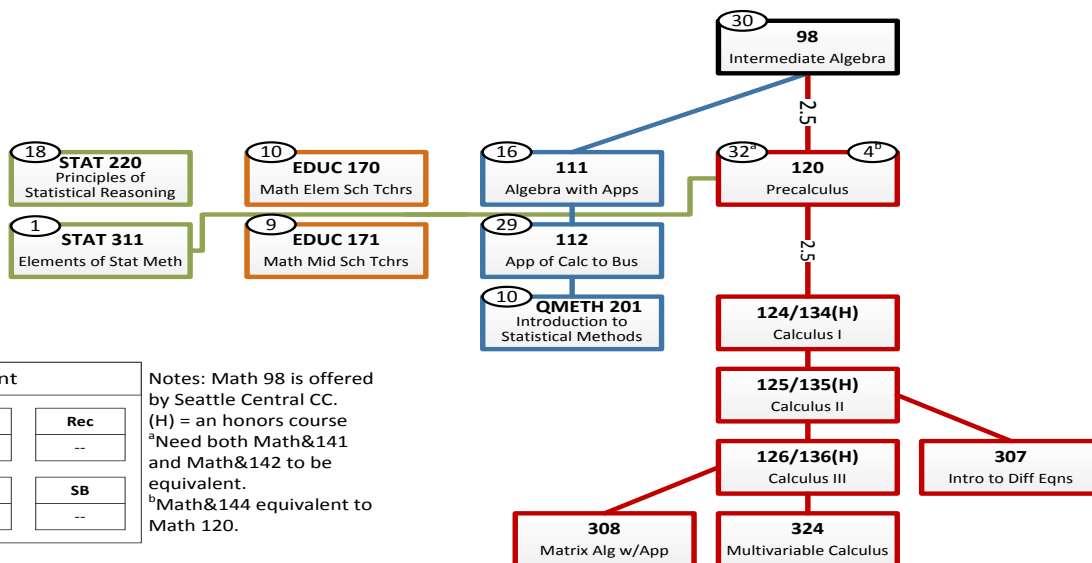
Placement		
Test	HS Tran	Rec
MPT	--	--

Class	SAT/ACT	SB
unlimited	--	--



AP/IB Credit		
AP-AB	2	M120*
	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 3, 4, or 5.

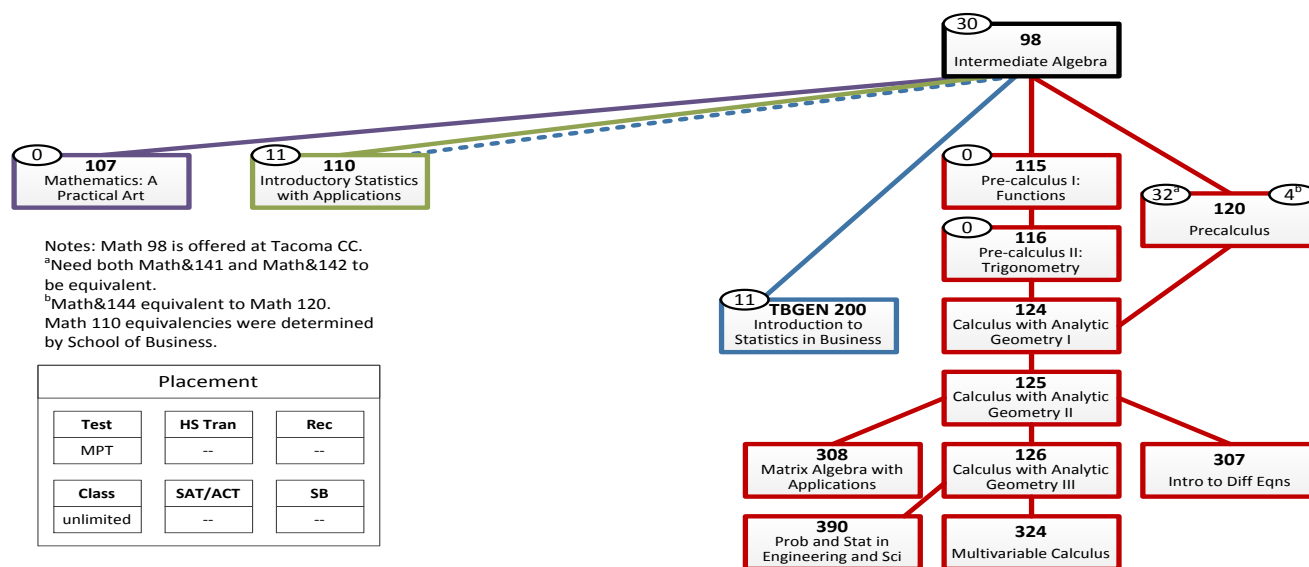


Placement		
Test	HS Tran	Rec
MPT 2 yrs	--	--
Class	SAT/ACT	SB
unlimited	--	--

Notes: Math 98 is offered by Seattle Central CC.
 (H) = an honors course
^aNeed both Math&141 and Math&142 to be equivalent.
^bMath&144 equivalent to Math 120.

AP/IB Credit		
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 3, 4, or 5.

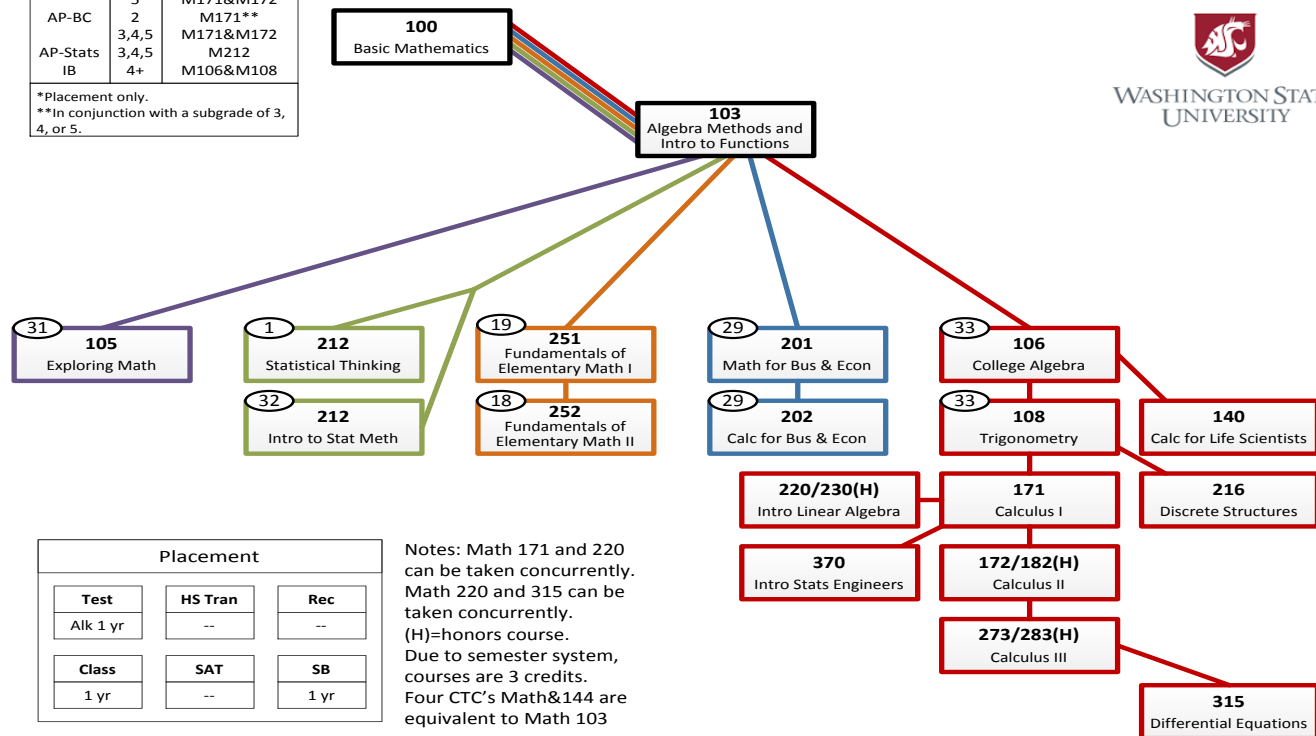


Notes: Math 98 is offered at Tacoma CC.
^aNeed both Math&141 and Math&142 to be equivalent.
^bMath&144 equivalent to Math 120.
 Math 110 equivalencies were determined by School of Business.

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

AP/IB Credit		
AP-AB	2	M120*or M171*
	3,4	M171
	5	M171&M172
AP-BC	2	M171**
	3,4,5	M171&M172
AP-Stats	3,4,5	M212
IB	4+	M106&M108

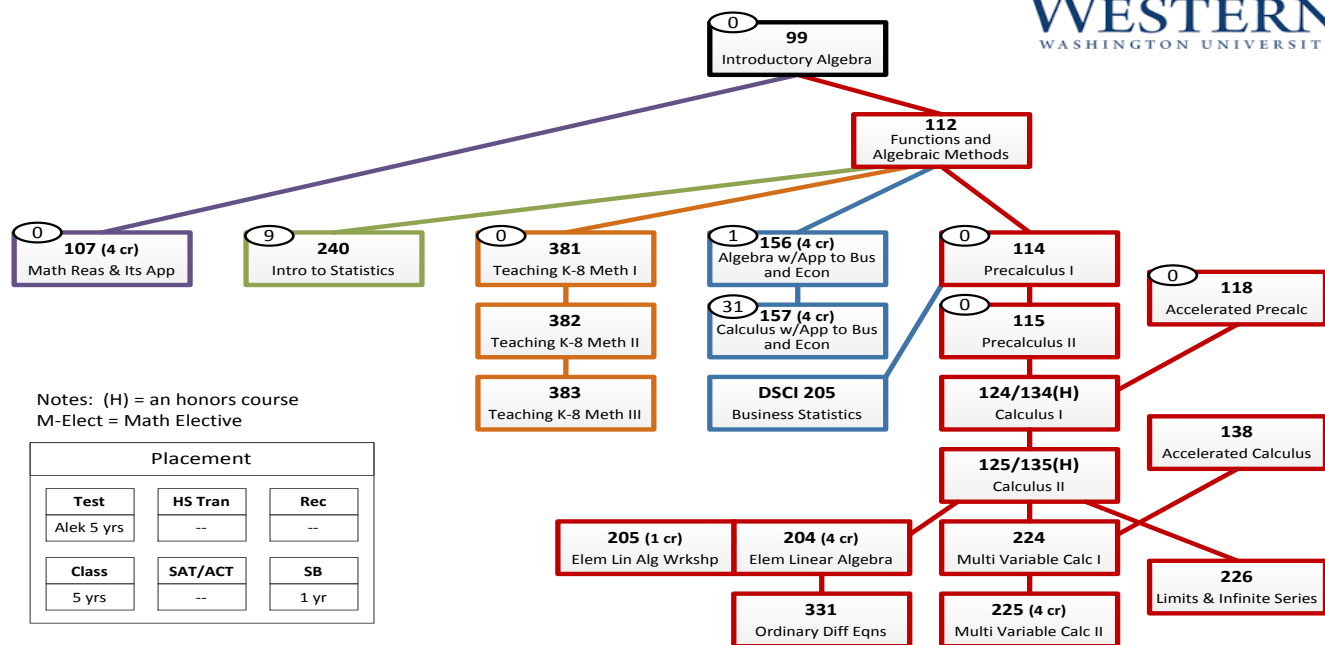
*Placement only.
**In conjunction with a subgrade of 3, 4, or 5.



Placement		
Test	HS Tran	Rec
Alk 1 yr	--	--
Class	SAT	SB
1 yr	--	1 yr

Notes: Math 171 and 220 can be taken concurrently. Math 220 and 315 can be taken concurrently. (H)=honors course. Due to semester system, courses are 3 credits. Four CTC's Math&144 are equivalent to Math 103

AP/IB Credit		
AP-AB	3	M-Elect
AP-BC	3	M-Elect
AP-Stats	3	M240
IB	4	M-Elect



Notes: (H) = an honors course
M-Elect = Math Elective

Placement		
Test	HS Tran	Rec
Alek 5 yrs	--	--
Class	SAT/ACT	SB
5 yrs	--	1 yr

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.

