ALL the following sequences require competency in arithmetic and basic algebra. Alg. CPT \(>55\) and Arithmetic CPT \(\geq 55\) or SAT \(>500\). See the catalog for additional pre-reqs, but some general guidelines are:

1. Students who need MAT 070 and/or 080, but are interested in STEM (Science, Technology, Engineering or Math) need to get developmental courses underway immediately!
2. Those who place beyond MAT 080 should pick courses based on their interests, and should take the higher numbered courses.
3. The Undecided who need MAT 070 should take: MAT 70 \(\rightarrow\) MAT 140 \(\rightarrow\) MAT 151
4. The Undecided who don’t need MAT 070 but would need MAT 080 should take: MAT 140 \(\rightarrow\) MAT 151

**140/151 OR 161/151**
*Either combination is a good choice for AA students planning to transfer into Social Science, Humanities or Nursing, etc.*
*161 and 151 may be taken in either order or simultaneously.*
*WCU business majors may take either of these paths. Students intending to major in Business at other universities should check requirements as some universities have calculus reqs.*

**141,142**
*Students who know or even think they may want to teach elementary or middle school should take MAT 141 in the fall and MAT 142 in the spring. This has an MAT 080 pre-req. or Alg. CPT \(\geq 75\). We teach MAT 080 in summer for these students to prepare. This is a fall/spring sequence only.*
*Students who want to teach high school English, History, etc may also find this sequence enjoyable as it puts them in a cohort of future educators. It is NOT for future high school math, science or business teachers.*

**175,271,272, 273**
*This is our heavy duty STEM path. Associate of Science students need these courses. (Pharmacy, math or high school math/science teacher, engineering, science, etc.). Some non-WCU business schools will require brief or business calc, so those students may want to at least prepare to study calculus while @ SCC. So, yes, some of their electives must be math!*

**171, 172**
*This is a fall/spring sequence serving as an appropriate pre-req for Calculus in place of 175 for AS students who want/need a slower pace to prepare for Calculus. It is also an appropriate sequence for well-prepared, but undecided AA students who haven’t ruled out STEM majors/careers.*

**161,165**
Finite Mathematics is a terminal applied course for which 161 is a pre-req. This sequence was designed to meet needs of the Early College program, but is an option for AA students in
fields that will not require statistics or calculus. It can also be used as an elective in the AS program. MAT 165 is spring only.