For an Associate in Science (A. S.) Degree in Mathematics

PATHWAYS – Mathematics (A.S)

REQUIRED COMMON CORE   **CREDITS**

English Composition **6**
ENG 110, ENG 111

Mathematical and Quantitative Reasoning **4**
MAT 210* Required

Life and Physical Sciences **4**
BIO 210 **OR** CHE 210 **OR** PHY 210

FLEXIBLE COMMON CORE

World Cultures and Global Issues **3**
ANT 101, BLS 101, ENG 200, ENG 213, ENG 215, ENG 222, HIS 201, HIS 202, HUM 100, LAC 108, LAC 118, POL 207, SPA 117, SPA 118, WGS 200

US Experience in its Diversity..**3**
BLS 114, ENG 225, HIS 210, HIS 211, HIS 214, LAC 101, LAC 132, POL 101, WGS 100

Creative Expression **3**
ENG 203, ENG 204, ENG 210, ENG 212, ENG 214, ENG 221, LAC 246, VPA 114, VPA 141, VPA 181, VPA 192

Individual & Society **3**
ECO 101, ECO 102, CJ 101, ENG 223, ENG 224, ENG 228, ENG 230, LIN 100, LIN 102, LIN 103, PSY 101, PSY 110, PSY 120, PSY 121, SOC 101

Scientific World..**4**
BIO 220 **OR** CHE 220 **OR** PHY 220.

One (1) additional course from the Flexible Core..**3**
Subtotal **33**

MAJOR REQUIREMENTS
MAT 217 ....Linear Algebra...4
MAT 220 ....Calculus II 4
MAT 310 ....Calculus III 4
Select three (3) credits from the following courses:
CSC 215, MAT 360*** 3
Subtotal **15**
Free Electives..**12**
Total Credits for Degree..**60**

*Depending on placement, students may be required to complete MAT 160 These students should consult an advisor in the Math department. Students who are required to take MAT 160, will complete the course as part of the Common Core Mathematical and Quantitative Reasoning and will take MAT 210 under "free electives". The program has received a waiver to specify particular courses students must take in STEM areas of the Common Core (Mathematical and Quantitative Reasoning). If students take a different course in this area, they will be certified as having completed the Common Core area, but it may not be possible for them to finish their degree programs within the regular number of credits.

**Students pursuing Middle and High School certification in Education at Lehman College should select from the following courses: Education 101, 117, 130 and 140.