

1. Students need to complete at least 10 cu of level 3 and above courses in the minor.
2. Students enrolled before the July 2023 semester need to complete 20 cu of minor electives.

| MNMTH*MINOR CORE - 20 cu | | | | | | | | | | | | | |
|--|--------------|---------------|----------------------|----------|---------|--------|--------|--------|--------|--------|--------|-------------------|--|
| Course | Credit Units | Pre-requisite | Excluded Combination | Grouping | Remarks | Jan 26 | May 26 | Jul 26 | Jan 27 | Jul 27 | Jan 28 | Last Presentation | Time Table |
| MTH109 Calculus | 5 | | MTH108 | | | Y | N | Y | Y | Y | Y | | CRN01; Tue; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 CRN02; Tue; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 |
| MTH207 Linear Algebra | 5 | | MZS2032 | MTH208 | | N | N | Y | N | Y | N | 2029/07 | CRN01; Wed; Week 1, 3, 4, 5, 7, 9, 11 CRN02; Wed; Week 1, 3, 4, 5, 7, 9, 11 |
| MTH208 Advanced Linear Algebra | 5 | MTH207 | MTH209 | MTH207 | | Y | N | N | Y | N | Y | 2029/07 | |
| MTH212 Statistical Analysis | 5 | | MZS248 or MTH220 | | | Y | N | Y | Y | Y | Y | | CRN01; Thu; Week 2, 4, 6, 8, 10, 12 CRN02; Thu; Week 2, 4, 6, 8, 10, 12 |

| MNMTH*MINOR ELECTIVE - 10 cu | | | | | | | | | | | | | |
|--|--------------|---------------|----------------------|----------|---------|--------|--------|--------|--------|--------|--------|-------------------|------------|
| Students enrolled before the July 2023 semester need to complete 20 cu of minor electives. | | | | | | | | | | | | | |
| Course | Credit Units | Pre-requisite | Excluded Combination | Grouping | Remarks | Jan 26 | May 26 | Jul 26 | Jan 27 | Jul 27 | Jan 28 | Last Presentation | Time Table |
| MTH301 Fundamentals of Complex Analysis | 5 | MTH316 | MZS337 | MTH302 | | Y | N | N | Y | N | Y | | |

| Course | Credit Units | Pre-requisite | Excluded Combination | Grouping | Remarks | Jan 26 | May 26 | Jul 26 | Jan 27 | Jul 27 | Jan 28 | Last Presentation | Time Table |
|---|--------------|----------------------------|----------------------|----------|---------|--------|--------|--------|--------|--------|--------|-------------------|---|
| MTH302 Applied Complex Analysis | 5 | MTH301 | MZS337 | MTH301 | | N | N | Y | N | Y | N | | CRN01; Fri; Week 2, 4, 5, 6, 7, 8, 10, 12 |
| MTH316 Multivariable Calculus | 5 | MTH103 or MTH107 or MTH109 | MTH211 | | | Y | N | N | Y | N | Y | | |
| MTH351 Coding Theory | 5 | MTH207 | MTH311 | MTH352 | | N | N | Y | N | Y | N | | CRN01; Wed; Week 1, 3, 5, 7, 9, 11 |
| MTH352 Cryptography | 5 | | MTH313 | MTH351 | | N | N | Y | N | Y | N | | CRN01; Wed; Week 2, 4, 6, 8, 10, 12 |
| MTH355 Basic Mathematical Optimisation | 5 | MTH207 or MTH211 or MTH319 | MTH310 | MTH356 | | Y | N | N | Y | N | Y | | |
| MTH356 Advanced Mathematical Optimisation | 5 | DSM101 or MTH211 or MTH316 | MTH309 | MTH355 | | N | N | Y | N | Y | N | | CRN01; Tue; Week 2, 4, 6, 8, 10, 12 |
| MTH366 Fundamentals of Graph Theory | 5 | MTH101 or MTH105 or MTH207 | MTH303 | MTH367 | | Y | N | N | Y | N | Y | | |
| MTH367 Network Optimisation and Modelling | 5 | MTH207 | MTH304 | MTH366 | | N | N | Y | N | Y | N | | CRN01; Wed; Week 2, 4, 6, 8, 10, 12 |

- If the presentation status is 'Y' = the course is presenting in the semester, 'N' = the course is not presenting in the semester, 'RT' = the course has been retired and will not be presented again, 'RP' = the course has been replaced and will not be presented again.
- The information listed is subject to review and change.

Retired/Replaced List

| Course | Credit Units | Status | Effective From Semester | Remarks |
|--------------------|---------------------|---------------|--------------------------------|--------------------|
| MTH107 Calculus I | 5 | Retired | 2025/01 | |
| MTH108 Calculus II | 5 | Replaced | 2025/01 | Replaced by MTH109 |