University of Mount Union Math/CS Department

Beginning Course Requirements for Computing Majors/Minors

(Optional for Students with no prior programming experience)

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CSC 108
```

```
MTH 123  *      MTH 141  +      CSC 120      CSC 112      DSC 140S      CSW 123
```

```
MTH 125  *      ART 120  ++
```

```
CSC 220              ▼ or ▼ or ▼
                    CSC 260                              CSW 223
```

Computer Science Major/Minor
Multi-Platform Software Development Major
Database Management Minor

Computer &Network Security Minor

MPSD Major
Web Design Minor
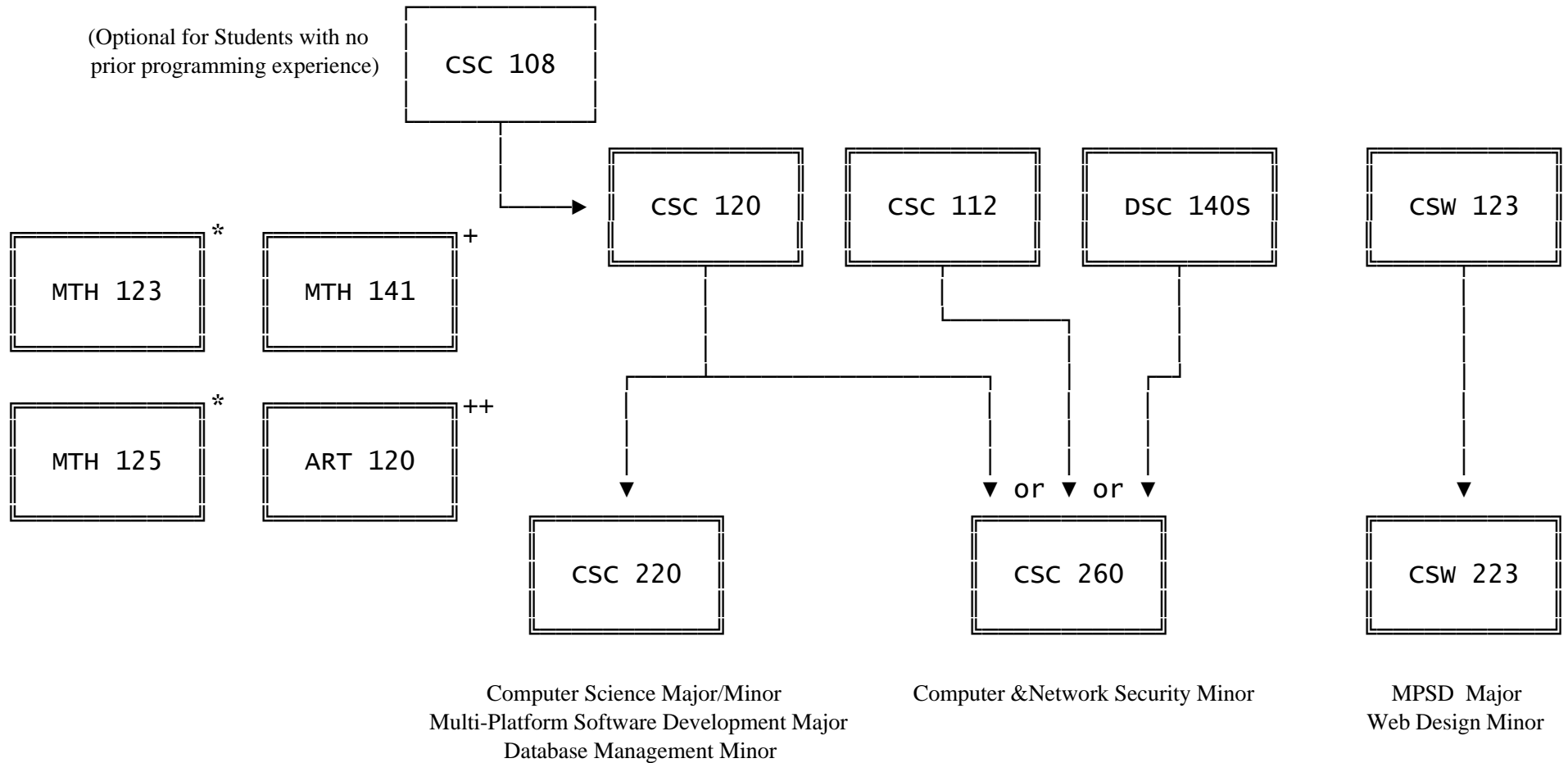
*   Required for CS and MPSD Majors
+   Required for CS Majors
++ Required for Web Design Minors

University of Mount Union Math/CS Department
Beginning Course Requirements for Data Science & Analytics

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┌─────────┐      ┌─────────┐      ┌─────────┐      ┌─────────┐
│ DSC 140S│      │ MTH 141 │      │ MTH 123 │      │ BUS 100 │
│         │      │         │      │   or    │      │         │
│         │      │         │      │ MTH 206 │      │         │
└────┬────┘      └────┬────┘      └────┬────┘      └─────────┘
     │                │                │
  ┌──┴──┐         ┌───┴───┐            │
  ▼     ▼         ▼       ▼            ▼
┌─────┐ ┌─────┐ ┌─────┐ ┌─────┐     ┌─────┐
│DSC  │ │DSC  │ │MTH  │ │     │     │MTH  │
│240  │ │250  │ │142  │ │     │     │223  │
└─────┘ └─────┘ └─────┘ └─────┘     └─────┘
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DSC 140S → DSC 240, DSC 250

MTH 141 → DSC 250, MTH 142

MTH 123 or MTH 206 → MTH 223

BUS 100