

## Recommended courses by term for accelerated track in Data Science, Analytics & Engineering (Computing & Decision Analytics), MS

| UG Term 7             | UG Term 8                          | GR Term 1                                              | GR Term 2                                              |
|-----------------------|------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| <i>Capstone I</i>     | <i>Capstone II</i>                 | CSE 599 (if thesis) or Core/Concentration (non-thesis) | CSE 599 (if thesis) or Core/Concentration (non-thesis) |
| Approved CSE/IEE 4xx* | DSE 501, CSE 511/512** 572, or 575 | Core/Concentration                                     | Core/Concentration                                     |
| Approved CSE/IEE 4xx* | 5xx (reserve)***                   | Core/Concentration                                     | Core/Concentration                                     |
|                       |                                    |                                                        | FSE 570                                                |

See DSAE (CDA), MS Course Lists & Check Sheet from the [SCAI Handbooks page](#).

### Undergraduate Terms 7 & 8:

\*Select 2 from CSE 412, 463, 470, 472, 476 or IEE 461, 470, 474, 475

\*\*Credit can only be earned for CSE 511 or 512, not both.

Students may share/double-count 9 graduate credits in the senior year, including 6 credits from the approved 4xx list; however, students planning to complete a Thesis should only complete 3 credits from 4xx.

\*\*\*If the schedule permits, additional 5xx credits may be added in the senior year to be “reserved” for the graduate program only. Reserved credit is pre-admission credit not part of the accelerated track and is thus held to the ‘B’ or better pre-admission graduate policy (see [Graduate Policy Handbook](#)). Students must earn a ‘B’ or better in the reserved course for it to apply in the MS program.

### Graduate Terms 1 & 2:

With 9 credits already completed, students will have 21 credits left to complete for the master’s. This means students will need to complete 12 credits in one of the graduate terms and 9 in the other, or enroll in summer in order to complete the graduate degree in one year. Taking 12 credits is completely optional. 9 graduate credits is considered full-time and comparable to 12 undergraduate credits. If 3 credits are reserved in the senior year, students will need 9 credits in both graduate semesters.

It does not matter if the 12 credits are taken in Graduate Term 1 or Term 2, but students must be in good academic standing (3.0 or higher GPA) in order to enroll in 12 credits as a graduate engineering student.