

MSCS/CE Advising Snapshot

MSCS/CE COURSES

Five Courses (15 units) of Required (“Core”) Courses At least four of these completed during your first two semesters, then you should file to Adv2Cand.

Course	Institution	Term/Yr	Grade

Elective Courses (15 units) A minimum of 9 units must be 500 or 600-level courses.

Course	Institution	Term/Yr	Grade

1. CECS 460 System on Chip Design (3)
2. CECS 530 Advanced Computer Architecture I (3)
3. **One course from the following:**
 - CECS 531 Advanced Computer Architecture II (3)
 - CECS 546 Fault Tolerant Computing Systems (3)
4. **One course from the following:**
 - CECS 526 Advanced Operating Systems
 - CECS 528 Advanced Analysis of Algorithms (3)
5. **One course from the following MSCS Application Courses:**
 - CECS 521 Database Architecture (3)
 - CECS 531 Advanced Computer Architecture II (3)
 - CECS 543 Advanced Software Engineering (3)
 - CECS 546 Fault Tolerant Computing Systems (3)
 - CECS 572 Advanced Computer Networking (3)
 - CECS 575 Object-Oriented Analysis and Design
 - CECS 579 Advanced Cryptography (3)

GS 700 can be used to maintain enrollment in the University when all ten required courses have been completed. Enrollment in GS 700 requires department and college approval and will only be approved for two semesters.

Thesis Option requires a total of 6 units from the following (at least 3 units from CECS 698*†):

- CECS 697*† Directed Research (1-3)
- CECS 698*† Thesis or Industrial Project (2-6)

Project Option requires a total of 3 units of:

- CECS 697*† Directed Research (1-3)

- Requires Advancement to Candidacy
- † Requires consent of instructor

Note: Courses may not be double-counted.

From the following list of electives:

CECS 408	CECS 406	CECS 419/519	CECS 423	CECS 424	CECS 428
CECS 429/529	CECS 444	CECS 445	CECS 447	CECS 448	CECS 449
CECS 451	CECS 453	CECS 455	CECS 460	CECS 461/561	CECS 463
CECS 470	CECS 472	CECS 474	CECS 475	CECS 476	CECS 478/578
CECS 491	CECS 492	CECS 521	CECS 524	CECS 526	CECS 528
CECS 530	CECS 531	CECS 532	CECS 543	CECS 544	CECS 545
CECS 546	CECS 547	CECS 549	CECS 550	CECS 551	CECS 552
CECS 553	CECS 570	CECS 572	CECS 574	CECS 575	CECS 590
CECS 694	CECS 697*†	CECS 698*†			