

The list of special courses offered as **electives** for 2024 Spring is as follows:

- CSE310 Object-Oriented Programming ADR
- CSE390 Technical Communication FDC
- CSE391 Programming for the Internet ADR
- CSE424 Pattern Recognition AAR, MSH
- CSE425 Neural Network MMM
- CSE426 Advanced Algorithms TSM
- CSE427 Machine Learning DFD, GRA
- CSE428 Image Processing RRH, BRH
- CSE437 Data Science: Coding With Real-World Data MGR/GRA
- CSE438 Applied Data Science for Practitioners AAR
- CSE439 Machine Vision AAR, BRH
- CSE440 Natural Language Processing (NLP) II FRS/FYS
- CSE442 Natural Language-Driven UI/UX (NLI / NLUX / NLUI) AAR, MSH
- CSE446 Blockchain and Cryptocurrencies MSF/SDF
- CSE447 Cryptography and Cryptoanalysis MIH
- CSE449 Parallel, Distributed, and High-performance Computing (HPC) AAR
- CSE450 Advanced Competitive Programming KKP, Pre-Req:CSE221 and experience of solving 50+ problems from online judges
- CSE472 Human Computer Interface JNM
- CSE474 Simulation and Modeling IBU
- CSE484 Cloud Computing JNM
- CSE489 Android App Development ADR
- CSE490 Special Topics MSF/SDF
- CSE496 Ethical Hacking AAR, FLA (NO prerequisites, NO previous knowledge needed)

Unlikely:

CSE419 Programming Languages and Competitive Programming IBA

CSE430 Digital Signal Processing

CSE431 Natural Language Processing (NLP) AAR

CSE457 Randomized Algorithms MHB

CSE481 Quantum Computing I SDS

CSE482 Quantum Computing II SDS

CSE486 LAN Switching and WAN Technologies SKZ (or as COD/COMA/elective, EEE453)

CSE495 Internet of Things (IoT) ACH