



CS Matrix Template (24 month + 3 month refresher)

Q0 S/W	CS2001 (3-3) Fundamentals of Computing Systems	CS2020 (3-4) Intro to Programming	MA2025 (4-1) Logic and Discrete Mathematics	NW3230 (4-2) Strategy and War	
Q1 F/Sp	CS2011 (4-0) Computing Systems Principles	CS3040 (4-2) Low-Level Prog I	CS3920 for CS3001* (4-2) Formal Foundation of CS	OS3307 (4-1) Modeling and Practices for Computing	CS4924 (1-0) Emerging Topics
Q2 S/W	CS3200 (3-2) Computer Architecture	CS3021 (4-2) Intro to Data Structures and Intermediate Prog.	CS3502 (4-2) Computer Comms and Networks	CS3070 (3-2) Operating Systems	CS4924 (1-0) Emerging Topics
Q3 F/Sp	CS3600 (4-2) Intro to Computer Security	CS3140 (3-2) Low-Level Prog II	CS3101 (4-2) Formal Language and Automata	CS3310 (4-1) Artificial Intelligence	CS4900 (2-0) Technology and Transformation
Q4 S/W	CS4922 for CS3250* (3-2) Intro to Cyber Physical Systems	CS3150 (3-2) Design and Analysis of Algorithms	CS3060 (3-1) Database Systems	SW3460 (4-2) Software Methodology	CS4903 (2-0) Research Methods in Computer Science
Q5 F/Sp	CS0810 (0-8) Thesis Research	Breadth Elective	CS3315 (3-1) Intro to Machine Learning and Big Data	CS3004 (3-2) Human Computer Systems Interaction	CS4924 (1-0) Emerging Topics
Q6 S/W	CS0810 (0-8) Thesis Research	Specialization Requirement	Specialization Requirement	NW3275 (4-0) JMO Part 1	CS4924 (1-0) Emerging Topics
Q7 F/Sp	CS0810 (0-8) Thesis Research	Specialization Requirement	Specialization Requirement	NW3276 (2-2) JMO Part 2	CS4924 (1-0) Emerging Topics
Q8 S/W	CS0810 (0-8) Thesis Research	Specialization Requirement	Specialization Requirement	NW3285 (4-0) TSDM or MN3331 (5-1) (USMC)	CS4924 (1-0) Emerging Topics

■ Research slots
 ■ Track classes
 ■ Refresher
 ■ JPME
 ■ Seminar series
 ■ Core

* Pending Academic Counsel approval of new course ID