

Computer Science Sample Curriculum Schedule -- Class 2024

	SCU Course #	Pitt Course #	Chinese Course Name	English Course Name	Language	Credit Hour	Credit	Term	Prerequisites /Corequisites
Freshman	107421030		思想道德与法治	Ideological and Morality and the rule of Law	Chinese	48	3	Fall	
	888004010		体育-1	Physical Education-1	Chinese	32	1	Fall	
	912002010		大学生心理健康	Mental Health Education	Chinese	16	1	Fall	
	918003020		实验室环境与保护理论和实践	Theory and Practice of laboratory safety and environmental protection	Chinese	32	2	Fall	
	312068010	CMPINF 0001	新生研讨会及形势与政策 1	Freshmen Seminar 1	Bilingual	16	1	Fall	
	312162010	ENGCOMP 0140-1	英语口语与听力训练-1	English Speaking and Listening-1	English	16	1	Fall	
	312004040	MATH 0220	解析几何与微积分 1	Analytic Geometry and Calculus 1	English	64	4	Fall/Spring	
	312006030	MATH 0280	矩阵与线性代数导论	Matrices and Linear Algebra	English	48	3	Fall/Spring	
	312008040	PHYS 0174	基础物理 1-理工	Physics for Science and Engineering 1	English	64	4	Fall/Spring	
	312171040	CMPINF 0010	计算机与信息技术导论	Big Ideas in Computing and Information	English	64	4	Fall	
	312172040	CMPINF 0401	中级编程	Intermediate Programming	English	64	4	Fall/Spring	
	107060030		中国近代史纲要	The Outline of Chinese Modern History	Chinese	48	3	Spring	
	900001010		军事理论	Military Theory	Chinese	32	2	Spring	
	900005020		军事技能	Military Training	Chinese	112	2	Spring	
	888005010		体育-2	Physical Education-2	Chinese	32	1	Spring	
	107418020/107419020/102620020/106812020/106844020		中共党史/社会主义发展史/改革开放史/新中国史/中华民族发展史（中华民族的凝聚与演进）（五选一）	The History of Chinese Communist Party/Seminars on the History of Socialist Development/The History of China's Reform and Opening-up/History of New China/The Development History of the Chinese Nation（The Formation and Development of the Chinese Nation）	Chinese	32	2	Spring	
	999005020/60207020/9020		中华文化（历史篇/文学篇/艺术篇/哲学篇）（四选一）	Chinese Culture	Chinese	32	2	Fall/Spring	
	312069010	CMPINF 0002	新生研讨会及形势与政策 2	Freshmen Seminar 2	Bilingual	16	1	Spring	*ENGR 0081
	312168030	ENGCOMP 0152	英文写作研习	English Composition	English	48	3	Spring	
	312090010	ENGCOMP 0152A	写作中心辅导	Writing Center Tutorial	English	16	1	Spring	
	312163010	ENGCOMP 0140-2	英语口语与听力训练-2	English Speaking and Listening-2	English	16	1	Spring	
	312005040	MATH 0230	解析几何与微积分 2	Analytic Geometry and Calculus 2	English	64	4	Fall/Spring	*MATH 0220
	312009040	PHYS 0175	基础物理 2-理工	Physics for Science and Engineering 2	English	64	4	Fall/Spring	*PHYS 0174
312189030	CS 0445	数据结构	Data Structures	English	48	3	Fall/Spring	CREQ: CMPINF 0401	
312190040	STAT 1000	应用统计方法	Applied Statistical Methods	English	64	4	Spring		
Total							59/61		
Sophomore	SCU Course #	Pitt Course #	Chinese Course Name	English Course Name	Language	Credit Hour	Credit	Term	Prerequisites/Corequisites
	107448030		马克思主义基本原理	The Basic Principles of Marxism	Chinese	48	3	Fall	
	888006010		体育-3	Physical Education-3	Chinese	32	1	Fall	
	999011020		科学进步与技术革命	Progresses of Science and Revolutions of Technology	Chinese	32	2	Fall	
	312070000	CMPINF 0003	院系研讨会及形势与政策 3	Department Seminar 3	Bilingual	16	0	Fall	
	312085030	ENGCOMP 0200	专业英语写作	Seminar in Composition	English	48	3	Fall	*ENGCOMP 0152
	312079040	MATH 0240	解析几何与微积分 3	Analytic Geometry and Calculus 3	English	64	4	Fall/Spring	*MATH 0230
	312191030	CS 0441	CS离散结构	Discrete Structures for CS	English	48	3	Fall/Spring	*MATH 0220
	312192030	CS 0447	计算机组成与汇编语言	Computer Organization and Assembly Language	English	48	3	Fall	CREQ: CS 0445
	312193030	INFSCI 0310	信息科学计算	Computation in Information Science	English	48	3	Fall	*MATH 0220, *CMPINF 0401
	312194030	STAT 1151	概率导论	Introduction to Probability	English	48	3	Fall	*MATH 0230
				H/SS Elective 1	English	48	3	Fall	
	107446030		毛泽东思想和中国特色社会主义理论体系概论	The Introduction to Mao Zedong Thought and the Theory of Socialism with Chinese Characteristic	Chinese	48	3	Spring	

107447030		习近平新时代中国特色社会主义思想概论	An Introduction to Xi Jinping's Thought on Socialism with Chinese Characteristics for a New Era	Chinese	48	3	Spring	
888007010		体育4	Physical Education-4	Chinese	32	1	Spring	
312071000	CMPINF 0004	院系研讨会及形势与政策 4	Department Seminar 4	Bilingual	16	0	Spring	
202489020	PHYS 0219	工科物理实验	Basic Laboratory Physics for Science and Engineering	English	32	2	Spring	*PHYS 0174
312195030	CS 0449	系统软件导论	Introduction to Systems Software	English	48	3	Fall/Spring	*CS 0445, *CREQ: CS 0447
312196030	CS 1501	算法实现	Algorithm Implementation	English	48	3	Fall/Spring	*CS 0441, *CS 0445
312197030	STAT 1152	数理统计学导论	Introduction to Mathematical Statistics	English	48	3	Spring	*STAT 1151
312198030	INFSCI 0510	数据分析	Data Analysis	English	48	3	Spring	*INFSCI 0310
			H/SS Elective 2	English	48	3	Spring	
Total							50/52	

Note:
Students need to take at least one of 999005020, 999006020, 999007020, 999009020 and 999011020.

	Pitt Course #	Chinese Course Name	English Course Name	Language	Credit Hour	Credit	Term	Prerequisites/Corequisites
	CMPINF 0005	院系研讨会及形势与政策 5	Department Seminar 5	Bilingual	16	0	Fall	
	CS 1502	计算机科学的形式化方法	Formal Methods in Computer Science	English	48	3	Fall/Spring	*CS 0441, *CS 0445
	CS 1550	操作系统导论	Introduction to Operating Systems	English	48	3	Fall	*CS 0447, *CS 0449
	MATH 1101	优化设计导论	An introduction to optimization	English	48	3	Fall	*MATH 0230, *MATH 0280
	CS 1530	软件工程	Software Engineering	English	48	3	Fall	*CS 0445
	CS 1675	机器学习导论	Introduction to Machine Learning	English	48	3	Fall	*CS 1501, *STAT 1000
			H/SS Elective 3	English	48	3	Fall	
	CMPINF 0006	院系研讨会及形势与政策 6	Department Seminar 6	Bilingual	16	0	Spring	
	CS 1674	计算机视觉导论	Introduction to Computer Vision	English	48	3	Spring	*CS 1501
	CS 1555	数据库管理系统	Database Management Systems	English	48	3	Spring	*CS 1501
	CS 1635	界面设计方法	Interface Design Methodology	English	48	3	Spring	*CS 0445
	CS 1541	计算机系统结构导论	Introduction to Computer Architecture	English	48	3	Spring	*CS 0447, *CS 0449
	INFSCI 1530	数据挖掘	Data Mining	English	48	3	Spring	*INFSCI 0510, *MATH 0280
			H/SS Elective 4	English	48	3	Spring	
Total							36	

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	CMPINF 0007		院系研讨会及形势与政策 7	Department Seminar 7	Bilingual	16	0	Fall	
	INFSCI 1500		数据库的概念与用途	Database Management Concepts and Applications	English	48	3	Fall	*INFSCI 0510 or CMPINF 0401
	CS 1571		人工智能导论	Introduction to Artificial Intelligence	English	48	3	Fall	*CS 1501, *CS 1502
	CS 1950		毕业设计1	Senior Project 1	English	48	3	Fall	completion of 75% core courses, 21 credits at most per semester in senior year
	CMPINF 0008		院系研讨会及形势与政策 8	Department Seminar 8	Bilingual	16	0	Spring	
	INFSCI 1560		信息存储与检索	Information Storage and Retrieval	English	48	3	Spring	*INFSCI 1500
	CS 1950		毕业设计2	Senior Project 2	English	48	3	Spring	Senior Project 1
			劳动教育（另行认定）				1		
			美育（另行认定）				2		
Total							18		

Required Credits : 165