

### Computer Science Sample Curriculum Schedule -- Class 2022

	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	
	312068010	CMPINF 0001	新生研讨会及形势与政策 1	Freshmen Seminar 1	Bilingual	16	1	Fall	
	312168030	ENGCOMP 0152	英文写作研习	English Composition	English	48	3	Fall/Spring	
	312162010	ENGCOMP 0140-1	英语口语与听力训练-1	English Speaking and Listening-1	English	16	1	Fall	
	312090010	ENGCOMP 0152A	写作中心辅导	Writing Center Tutorial	English	16	1	Fall/Spring	
	312004040	MATH 0220	解析几何与微积分 1	Analytic Geometry and Calculus 1	English	64	4	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	16	1	Spring	
	900005020		军事技能	Military Training	Chinese	112	2	Spring	
	888005010		体育-2	Physical Education-2	Chinese	32	1	Spring	
	999005030/6030/9030/8030		中华文化（历史篇/文学篇/哲学篇/艺术篇）	Chinese Culture	Chinese	48	3	Fall/Spring	
	312069010	CMPINF 0002	新生研讨会及形势与政策 2	Freshmen Seminar 2	Bilingual	16	1	Spring	*CMPINF 0001
	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		
<b>Total</b>						<b>976</b>	<b>54</b>		
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	
	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
	312006030	MATH 0280	矩阵与线性代数导论	Matrices and Linear Algebra	English	48	3	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					912	53		
	Pitt Course #	Chinese Course Name	English Course Name	Language	Credit Hour	Credit	Term	Prerequisites/Corequisites		
Junior	312072000	CMPINF 0005	院系研讨会及形势与政策 5	Department Seminar 5	Bilingual	16	0	Fall		
	312199030	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	
	312200030	CS 1550	操作系统导论	Introduction to Operating Systems	English	48	3	Fall	*CS 0447, *CS 0449	
	312201030	MATH 1101	优化设计导论	An introduction to optimization	English	48	3	Fall	*MATH 0230, *MATH 0280	
	312202030	CS 1530	软件工程	Software Engineering	English	48	3	Fall	*CS 0445	
	312207030	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		
	312073000	CMPINF 0006	院系研讨会及形势与政策 6	Department Seminar 6	Bilingual	16	0	Spring		
	312204030	CS 1674	计算机视觉导论	Introduction to Computer Vision	English	48	3	Spring	*CS 1501	
	312205030	CS 1555	数据库管理系统	Database Management Systems	English	48	3	Spring	*CS 1501	
	312206030	CS 1635	界面设计方法	Interface Design Methodology	English	48	3	Spring	*CS 0445	
	312203030	CS 1541	计算机系统结构导论	Introduction to Computer Architecture	English	48	3	Spring	*CS 0447, *CS 0449	
	312208030	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					608	36				
Senior	SCU Course #	Pitt Course #	Chinese Course Name	English Course Name	Language	Credit Hour	Credit	Term	Prerequisites/Corequisites	
	312074000	CMPINF 0007	院系研讨会及形势与政策 7	Department Seminar 7	Bilingual	16	0	Fall		
	312210030	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	
	312209030	CS 1571	人工智能导论	Introduction to Artificial Intelligence	English	48	3	Fall	*CS 1501, *CS 1502	
	312099030	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	
				H/SS Elective 5	English	48	3	Fall		
	312075000	CMPINF 0008	院系研讨会及形势与政策 8	Department Seminar 8	Bilingual	16	0	Spring		
	312211030	INFSCI 1560	信息存储与检索	Information Storage and Retrieval	English	48	3	Spring	*INFSCI 1500	
312076030	CS 1950	毕业设计2	Senior Project 2	English	48	3	Spring	Senior Project 1		
			H/SS Elective 6	English	48	3	Spring			
Total					368	21				
<b>Required Credits : 164</b>										