

**Computer Science Sample Curriculum Schedule -- Class 2023**

	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	ENGCMP 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		
	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		
	107418020/10741920/102620020/106812020		中共党史/社会主义发展史/改革开放史/新中国史 (四选一)	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	Chinese	32	2	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	
	312168030	ENGCMP 0152	英文写作研习	English Composition	English	48	3	Spring		
	312090010	ENGCMP 0152A	写作中心辅导	Writing Center Tutorial	English	16	1	Spring		
	312163010	ENGCMP 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>992</b>	<b>55</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	
		999005020/6020/7020/9020		中华文化 (历史篇/文学篇/艺术篇/哲学篇)	Chinese Culture	Chinese	36	2	Fall/Spring	
312070000		CMPINF 0003	院系研讨会及形势与政策 3	Department Seminar 3	Bilingual	16	0	Fall		
312085030		ENGCMP 0200	专业英语写作	Seminar in Composition	English	48	3	Fall	*ENGCMP 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			
		<b>Total</b>				<b>948</b>	<b>55</b>			
		Pitt Course #	Chinese Course Name	English Course Name	Language	Credit Hour	Credit	Term	Prerequisites/Corequisites	
	312072000	CMPINF 0005	院系研讨会及形势与政策 5	Department Seminar 5	Bilingual	16	0	Fall		

Junior	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	
<b>Total</b>						<b>608</b>	<b>36</b>		
Senior	<b>SCU Course #</b>	<b>Pitt Course #</b>	<b>Chinese Course Name</b>	<b>English Course Name</b>	<b>Language</b>	<b>Credit</b>	<b>Credit</b>	<b>Term</b>	<b>Prerequisites/Corequisites</b>
	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	
<b>Total</b>						<b>368</b>	<b>21</b>		
<b>Required Credits : 167</b>									