INSTITUTION: UW-Parkside
SCHOOL OR COLLEGE: College of Business, Economics, & Computing
MAJOR: Computer Science and Computer Science/Mathematics Double Double Major

Transfer Guide for Computer Science and Computer Science/Mathematics Double Major

1. Application Procedure

UW System application is required for admission to the university, along with official high school and all college transcripts. To apply, visit https://apply.wisconsin.edu. Students declare the computer science major after being accepted to UW-Parkside.

2. Transfer Policies

Transfer degree seeking student must earn a minimum of 30 of their last 60 credits at UW-Parkside toward their degree to fulfill the residency requirement. Individual departments and programs may require that certain courses be taken at UW-Parkside. Students transferring from non-baccalaureate institutions to UW baccalaureate-granting institutions may generally transfer up to 72 credits earned at non-baccalaureate institutions toward the 120 credits required for degree completion. UW institutions may accept additional credits toward the degree where appropriate.

3. Requirements for the Computer Science Major (62-63 credits)

The following common requirements are in addition to the university general education requirements.

UWC Course	UW-Parkside Name	UWP Course
Required Math Courses		
MAT 221	Calculus and Analytical Geometry I	MATH 221
Required Science Courses		
PHY 201	General Physics I OR	PHYS 201 OR
CHE 145	General Chemistry I	CHEM 101
Computer Science Courses (40-41 credits)		
MAT 230	Discrete Math	CSCI/MATH 231
CPS 245	Computer Science I	CSCI 241
*CPS 255 & CPS 265	Computer Science II	CSCI 242
CPS 260	Assembly Language and Programming	CSCJ 245
Taken at UWP	Probability and Statistics	CSCI 309
Taken at UWP	Programming Languages	CSCI 333
*CPS 255 & CPS 265	Data Structures and Algorithm Design	CSCI 340
Taken at UWP	Computer Architecture	CSCI 355
Taken at UWP	Operating Systems	CSCI 370
Taken at UWP	Database Management Systems	CSCI 380
Taken at UWP	Software Engineering Principles and Practice I	CSCI 475
Taken at UWP	Software Engineering Principles and Practice II	CSCI 476
Taken at UWP	Computer Science Seminar	CSCI 495

UW Colleges CPS 255 and CPS 265 taken together are equivalent to UW-Parkside CSCI 242 and CSCI 340.

Elective Courses (12 credits)
Taken at UWP. See the academic catalog for course options: http://uwp.edu/catalog-pdfs/csci.pdf

Required Computer Science Breadth Requirement (9 credits):
Students must complete a package of 9 or more credits outside of computer science in a coherent collection of courses that are relevant to computer science and that meet the approval of the computer science faculty. Several such packages have been pre-approved, in areas such as mathematics, the sciences, art, business and economics. Pre-approved packages with offerings at UW-Colleges include:

UWC Course	**UWP Course**
MAT 222 and MATH 301 taken at UWP	MATH 222 and 301
MAT 222 and PHY 202	MATH 222 and PHYS 202
CHE 155 and BOTH CHE 203 and CHE 211	CHEM 102 and 215

For additional breath requirement options that can be taken at UW-Parkside, see the academic catalog:
http://uwp.edu/catalog-pdfs/csci.pdf

4. Requirements for the Computer Science/Mathematics Double Major (88-89 credits)

Students may satisfy graduation requirements for both computer science and mathematics by completing all required courses for computer science with 9 elective credits and PHYS 201, together with the following mathematics courses (which automatically satisfy the computer science breadth requirement):

Required Math courses (26 credits):

MAT 222	Calculus and Analytic Geometry II	MATH 222
MAT 234	Calculus and Analytic Geometry III	MATH 223
Taken at UWP	Linear Algebra	MATH 301
Taken at UWP	Set Theory, Logic and Proof	MATH 303
Taken at UWP	Differential Equations and their Applications	MATH 317
Taken at UWP	Advanced Calculus	MATH 350
	OR	**OR**
Taken at UWP	Elementary Number Theory	MATH 367
Taken at UWP	Abstract Algebra	MATH 441

Students completing the computer science/mathematics double major are strongly encouraged to take CSCI 331 as one of their electives.

5. Skills, Foreign Language, Ethnic Diversity, & General Education Requirements

Students that earn Associate of Arts & Science Degree at a UW College will satisfy general education and skills requirements at UW-Parkside. Students may need to meet the foreign language and ethnic diversity requirement.

Students who transfer to UW-Parkside without the Associate of Arts & Science degree must complete skills, foreign language, diversity, and general education requirements as listed below.

ENGLISH AND MATH COMPUTATIONAL SKILLS

UWC Course	**UW-Parkside Name**	**UWP Course**
ENG 102	Composition and Reading	ENGL 101
MAT 105 **OR**	Survey of Mathematics	MATH 102
MAT 110	College Algebra II	MATH 112 (required for business majors)

FOREIGN LANGUAGE REQUIREMENT
Must be fulfilled by one of the following options:
- two years of one language in high school with a grade of C or better in the second year of the language
- complete course at 104 level or above at UW-Parkside (or equivalent)
- 2 college semesters of one foreign language from an accredited institution

ETHNIC DIVERSITY REQUIREMENT
Any UWP course or equivalency with the (DV) designation meets UW-P's ethnic diversity requirement.

GENERAL EDUCATION REQUIREMENT
1. **HUMANITIES AND ARTS:** 12 Credits required from at least <u>three different departments/programs</u>
2. **SOCIAL AND BEHAVIORAL SCIENCE:** 12 Credits required from at least <u>three different departments/programs</u>
3. **NATURAL SCIENCE -** 12 Credits required from at least <u>three different departments/programs</u>
Options are shown on page 4.

5. Contact Info

UW-Parkside Admissions Office
Amelia Tobias
Transfer Admissions Counselor
Phone: (262)595-2668
E-mail: tobias@uwp.edu

Computer Science Department
Connie Wheeler
Phone: (262)595-2314
Location: Molinaro 249

Visit the College of Business, Economics, and Computing:
http://uwp.edu/learn/colleges/businesseconomicscomputing/index.cfm

Every effort is made to maintain accurate information; however, this information is subject to change. It is always best to check with your UW College advisor, UWP Transfer Admissions Counselor, or UWP advisor to ensure accuracy of equivalencies in your transfer plan. Students may also utilize the Student Transfer Assessment Report (STAR) and the Transfer information System (TIS) to view equivalencies.

UWC Classes Applying to UWP General Education Requirements

Humanities & Arts	Social & Behavioral Sciences	Natural Sciences
Art	**Business**	Biology
ART 100, 101, 104, 105, 106, 107, 110, 111, 113, 114, 115, 122, 125, 126, 133, 134, 144, 161, 170, 175, 180, 181, 183, 209, 210, 211, 235, 236, 245, 261, 290	BUS 101, 110	BIO 101, 103, 107, 108, 109, 116, 151, 160, 161, 162, 171, 172, 180, 211, 230, 250, 286
	Communications	
	CTA 100, 101, 102, 110, 160, 201, 202, 203, 204, 211, 218, 220, 221, 230, 266, 268, 298	**Chemistry**
WOM 295		CHE 112, 123, 124, 125, 145, 165, 175, 203 **AND** 211, 204, 214, 290,299, 351, 361
	SOC 131	
English	**Economics**	
ENG 242 (DV), 250, 253, 255, 261, 263, 266, 264, 266, 267, 281, 284, 286	ECON 101, 203, 204	**Computer Science**
	Ethnic Studies	CPS 103, 130, 131, 211, 213, 216, 217, 245
	AIS 101 (DV), ANT 353, SPA 247(DV)	
	Geography	**Geography**
FRE 277	GEO 101, 102(DV), 104 (DV), 110, 130, 200, 277	GLG 100, 101, 104, 107, 130, 131, 169, 291, 297, 314, 350
PHI 226	**History**	
WOM 279	HIS 101 (DV), 102 (DV), 106, 111, 112, 114, 115, 118, 119, 123, 124, 126, 127, 150, 198, 210, 211, 213, 215, 218, 222, 223, 255, 257, 258, 259, 260, 261, 262(DV), 271, 272, 273, 275, 277(DV), 278(DV), 279, 280, 283, 288, 289, 293, 297	**Geoscience**
Humanities		GEO 106, 120, 123, 124, 125
ANT 260 (DV), ANT 353 (DV), INT 230, WOM 203		
		GEO 130, NAT 250
Music	INT 210, ART 185, ART 188, PHI 232	
MUS 072, 131 , 170, 173, 273(DV)	**Health, Exercise Science, and Sports Management**	**Health, Exercise Science, and Sports Management**
WOM 102	HES 206	HES 209
Philosophy	**Interdisciplinary Studies**	
PHI 101, 103, 106, 201, 202, 203(DV), 210, 211, 220, 230, 237, 241, 242, 243, 244, 248, 259(DV), 261	INT 210	**Math**
	Political Science	MAT 221, 222, 234
	POL 101, 104, 106, 160, 175, 201, 204, 206, 218, 220, 221, 225, 250, 298, 352	
	Psychology	CPS 240, 241, 243
INT230, WOM 202, BIO 230, REL 258, REL 261	PSY 201, 202, 205, 208. 224, 270(DV), 311	
Theater	WOM 208	**Physics**
CTA 130, 131, 349	**Sociology & Anthropology**	PHY 107, 110, 115, 141, 211, 212, 213
COM 103	SOC 101, 120, 125, 134 (DV), 160, 220, 231, 234(DV), 238, 250 , 270, 275, 285, 291	
Modern Languages	ANT 100, 204, 222, 302, 303, 322, 341, 351	AST 100, 101, 105, 200
FRE 201, 203 **AND** 204, 205	PHI 203, 231	**Management Information Systems**
GER 201, 203 **AND** 204, 205	**Women's Studies**	
	INT 101, 208, 231	CPS 240
SPA 203 **AND** SPA 204, 205	WOM 101, 138, 201, 231	