Temple University College of Science & Technology
Associate of Science in Computer Science [Note 1] at Montgomery County Community College
to the Bachelor of Science in Information Science & Technology (IST) at Temple University
(Effective Fall 2020)

Montgomery County CC Recommended Course			Temple University Equivalent	
FIRST SEMESTER		***Credits***	***FIRST SEMESTER***	
ENG 101	English Composition I	3	ENG 0802	Analytic Reading and Writing
	Open Elective ***Recommend MAT 162: Precalculus*** II [Note 2]	3		Dependent upon course selection [Note 5]
CIS 110 OR CIS 155	Computer Information Systems for Management PC Applications on Networks	3	CIS L***	Lower Level Elective-CIS
CIS 111	Computer Science I: Programming and Concepts	3	CIS 1057	Programming In C
BIO 121 OR CHE 121 OR PHY 121	General Biology I General Chemistry I General Physics I [Note 3]	4	BIOL 1012, CHEM 1021/1023, PHYS 1021	General Biology II Introduction to Chemistry I/Introduction to Chemistry I Laboratory Introduction to General Physics I
	Semester Total:	**16**		
Second Semester			***Second Semester***	
	Any TAOC-Approved Art, Music, Theater, Or Dance	3		Dependent upon course selection [Note 5]
BIO 122, OR CHE 122 OR OR PHY 122	General Biology II General Chemistry II General Physics II [Note 3]	4	BIOL 1011, CHEM 1022/1024, PHYS 1022	General Biology I Introduction to Chemistry II/Introduction to Chemistry II Laboratory Introduction to General Physics II
MAT 125	Discrete Mathematics	3	CIS 1166	Math Concepts in Computing I
CIS 111B	Computer Science Ii: Object Oriented Programming	3	CIS 1068	Program Design and Abstraction
	Any 200-Level Literature	3		Dependent upon course selection [Note 5]
	Semester Total:	**16**		
Third Semester			***Third Semester***	
PSY 101 OR SOC 101	Introduction to Psychology Introduction to Sociology	3	PSY 1001 OR SOC 1176	Introduction to Psychology Introduction to Sociology
MAT 190	Calculus and Analytic Geometry I	4	MATH 1041	Calculus I
CIS 112	Computer Science III: Data Structures and Algorithms	3	CIS 2168	Data Structures
MAT 130	Probability and Statistics	4	STAT 2103	Statistical Business Analytics
	Semester Total:	**14**		
Fourth Semester			***Fourth Semester***	
CMS 110 OR CMS 120	Introduction to Speech Communication Public Speaking	3	SPCM L*** OR CSI 1111	Lower Level Elective-Spcm Public Speaking
	Select From: ANT 104, HIS 101, HIS 102, HIS 203 OR HIS 205	3		Dependent upon course selection [Note 5]
	CIS ELECTIVE ***Recommend CIS 151: System Analysis and Design*** [Note 4]	3		Dependent upon course selection [Note 5]
CIS 126	Computer Architecture and Organization	3	CIS L***	Lower Level Elective-CIS
CIS 245	Database Management Systems/Sql	3	CIS L***	Lower Level Elective-CIS

	Semester Total:	**15**		
	Total Credits Taken:	**61**		

Notes: *Students following this plan are under the GenEd-to-GenEd General Education program.*

1) Students who transfer to Temple with an A.S. in Computer Science have satisfied the terms of the Temple-MCCC GenEd-to-GenEd transfer agreement and have completed the General Education requirements necessary to graduate from Temple University.
2) Students should select MAT 162: Precalculus II. MAT 162 transfers to Temple as MATH 1022 Precalculus and satisfies a major requirement. Students transferring without this course may require additional time to degree completion.
3) Lab science courses should be selected from the same subject at MCCC in order to satisfy the Lab Science A and B requirements in transfer for the Bachelor of Science in IST degree at Temple.
4) Per the A.S. in Computer Science program, CIS 151: System Analysis and Design is recommended. CIS 151 transfers to Temple as CIS L***.
5) To see how courses might transfer, consult Temple's Transfer Equivalency Tool: http://admissions.temple.edu/transfer-equivalency-tool. Courses not included in the transfer tool may transfer.

*If the suggested classes are successfully completed at Montgomery County Community College and an Associate in Science in Computer Science degree is awarded, the remaining four semesters for the **Bachelor of Science in Information Science & Technology** are as follows:*

Remaining Requirements at Temple University		
FIFTH SEMESTER		***Credits***
CIS 1001	Introduction to Academics in Computer Science	1
MATH 2031	Probability and Statistics	3
CIS 2109	Database Management Systems	4
IST ELECTIVE	Information Science & Technology Elective Note d	3-4
SCTC 2001	CST Transfer Seminar	1
FREE ELECTIVE	Free Elective	3-2
	Semester Total:	**15**
Sixth Semester		
CIS 2229	Architecture, Operating Systems and Networking	4
CIS 3309	Component-Based Software Design	4
CIS 3344	Client-Side Scripting for The Web	4
FREE ELECTIVE	Free Elective	4
	Semester Total:	**16**
Seventh Semester		
CIS 3329	Network Architectures	4
CIS 4296	Information Systems Analysis and Design (WI)	4
CIS 3342	Server-Side Web Application Development	4
FREE ELECTIVE	Free Elective Credits	3
	Semester Total:	**15**
Eighth Semester		
CIS 4396	Information Systems Implementation (WI)	4
IST ELECTIVE	Information Science & Technology Elective Note d	3-4
IST ELECTIVE	Information Science & Technology Elective Note d	3-4
IST ELECTIVE	Information Science & Technology Elective Note d	3-4
FREE ELECTIVE	Free Elective	3-0
	Semester Total:	**16**
	Credits transferred from the AS in Computer Science at Montgomery County Community College:	**61**
	Remaining credits to complete BS. In Information Science & Technology at Temple:	**62**
	Total Credits Completed to Satisfy the Requirements for B.S. in Information Science & Technology:	**123**

Notes: *Students following this plan are under the GenEd-to-GenEd General Education program.*

a) To earn a CST baccalaureate degree, a student must complete a minimum of 123 credits, including: 90 credits in CST/CLA courses, 45 credits of which must be at the upper level (numbered 2000-4999).
b) Temple University requires that all undergraduate degree candidates complete 45 hours of the last 60 hours of the degree or program as matriculated students at Temple University. If a matriculated student previously took Temple courses on a non-matriculated basis, those courses are counted towards this requirement.
c) Per Temple's Transfer Policy for Permission to Complete a Course at Another Institution after Matriculation, students who transfer 60 credits or more cannot receive permissions to transfer additional course work.
d) Students must complete a minimum of 12 IS&T elective credits. The number of IS&T elective courses required will depend on the credit value of each course. A list of approved electives can be found on the Undergraduate Bulletin.

Inquiries about the undergraduate program and application are handled through the Office of Admissions (Phone: 215-204-4900; E-mail: admissions@temple.edu)

Inquiries about the B.S. in or specific course requirements can be directed to the College of Science & Technology Center for Academic Advising & Professional Development at cstadv@temple.edu