

## TRANSFER MAP

### for Southern Maine Community College students completing the Associate in Science in Computer Science (Transfer Track) and transferring to the University of Southern Maine's Bachelor of Science in Computer Science

#### SMCC AS in Computer Science

*Subjects represented in italics are required. If subjects in italics are **not** taken at SMCC, the sequence represented in the Remaining USM Degree Requirements cannot be observed. For coursework to transfer, a grade of C- or better is required.*

SMCC AS in Computer Science Transfer Track Option General Education Requirements			University of Southern Maine Equivalencies		
Course	Title	Credits	Course	Title	Credits
ENGL 100	English Composition	3	ENG 100	College Writing (WRI 1 Core Requirement)	3
ENGL 115	Introduction to Literature	3	ENG 140	Reading Literature (Cultural Interpretation Core Requirement)	3
FIGS 100	Student Success	1	GEL 1XX	General Elective	1
MATH 225	Discrete Mathematics	3	MAT 145	Discrete Mathematics	3
ENGL 110	Oral Communications	3	THE 170	Public Speaking (Creative Expression Core Requirement)	3
	Science Elective with Lab: BIOL 124	4	BIO 105/106	Biological Principles I: Cellular Biology/Lab	4
	Social Science Elective: <i>any course that fulfills USM Culture, Power, and Equity Core Requirement; <a href="#">see list</a></i>	3		Direct equivalent or general elective credit	3
	Social Science Electives: <i>any course that fulfills USM Socio-Cultural Analysis Core Requirement; <a href="#">see list</a></i>	3		Direct equivalent or general elective credit	3
	Social Science Requirement: <i>any course that fulfills USM International Core Requirement; <a href="#">see list</a></i>	3		Direct equivalent or general elective credit	3
<b>Total credits</b>		<b>26</b>	<b>Total credits accepted</b>		<b>26</b>

SMCC Requirements			USM Equivalencies		
Course	Title	Credits	Course	Title	Credits
COMM 201	Technical Writing	3	ITP 210	Technical Writing (WRI 3 Core Requirement)	3
CSCI 110	Principles of Computer Science	4	COS 160/170	Structured Problem Solving: Java	4
CSCI 160	Object Oriented Design and Programming	4	COS 161	Algorithms in Programming	4
CSCI 290	Data Structures	4	COS 285	Data Structures	4

	<i>MATH 140 College Algebra and MATH 146 College Trigonometry OR Science Elective with Lab</i>	4	MAT 108 and MAT 1XX	College Algebra (Quantitative Reasoning Core Requirement) and Mathematics Elective	4
MATH 190	Precalculus	3	MAT 140	Precalculus	3
MATH 260	Calculus I	4	MAT 152	Calculus A	4
MATH 270	Calculus II	4	MAT 153	Calculus B	4
CSCI 250	Computer Organization	4	COS 250/255	Computer Organization/Lab	4
CSCI 296	Systems Programming in C	3	COS 350	Systems Programming (300+ level USM COS elective)	3
<b>Total Major Credits</b>		<b>37</b>			<b>37</b>
<b>Total SMCC Credits</b>		<b>63</b>	<b>Total Credits accepted</b>		<b>63</b>

## Remaining University of Southern Maine Degree Requirements

For students who have **completed** the SMCC Associate in Science in Computer Science (Transfer Track) transferring to University of Southern Maine Bachelor of Science in Computer Science

Year Three Fall		Year Three Spring	
Course	Credit	Course	Credit
COS 280 Discrete Mathematics II	4	COS 398 Professional Ethics and Social Impact of Computing (Ethical Inquiry, Social Responsibility, and Citizenship Core Requirement)	3
WRI 2 Core Requirement	3	300+ level COS elective	3
COS 360 Programming Languages	3	300+ level COS elective	3
MAT 295 Linear Algebra	4	Elective	3
		Elective	3
<b>Semester Credits</b>	<b>14</b>	<b>Semester Credits</b>	<b>15</b>

Year Four Fall		Year Four Spring	
Course	Credit	Course	Credit
COS 450 Operating Systems <b>OR</b> COS 457 Database Systems	3	COS 485 Design and Analysis of Computing Algorithms	3
300+ level COS elective	3	COS 420 Object-Oriented Design <b>OR</b> COS 430 Software Engineering	4 or 3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3		
<b>Semester Credits</b>	<b>15</b>	<b>Semester Credits</b>	<b>13 or 12</b>
<b>Total University of Southern Maine credits: 57 - 58</b>			
<b>Total SMCC and University of Southern Maine credits: 120 - 121</b>			

### Requirements

Successful completion of the SMCC Associate in Science in Computer Science (Transfer Track), submission of a completed admission application (if necessary), transcripts, and other supporting materials. For coursework to transfer to University of Southern Maine, a student must earn a grade of C- or better. Student must maintain a cumulative GPA of 2.0 to graduate from the University of Southern Maine. For all baccalaureate degrees at the University, a minimum of 30 credit hours, including at least 9 credit hours in the major field at the 200-level or above, must be completed at the University of Southern Maine.