

**University of Illinois Chicago**

## College of Engineering

<b>Student Name</b>	Shaar, Adam Saad Walid	S
<b>Program</b>	01123906BS: Computer Science - Software Engineering Concentration	C
<b>Prepared On</b>	05/21/2024 12:17 AM	

[☑ Open All Sections](#)[☑ Close All Sections](#)[? Click for Help](#)**All Requirements Identified Below Have Been Met**

**This degree audit is made available for advising purposes only. It is highly recommended, as well as your responsibility, to meet with a college and/or departmental advisor once a semester to review your progress towards a degree.**

**Consult the UIC undergraduate catalog for additional graduation requirements and policies.**

**Final confirmation of degree requirements is subject to college approval. A degree audit is not an official document. Please report any errors to an academic advisor in your college/department.**

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**This student has transfer work:**

**Credit for transfer work is either applied as direct equivalents with university courses or applied to the degree in a manner determined by the department and college. The precise amount of transfer credit awarded and that is applicable toward a particular degree is determined by the UIC college and department concerned.**

**College of Engineering:**

**Courses equivalent to 300- and 400-level courses in ABET accredited engineering or computer science majors can be transferred only from other ABET-accredited engineering or computer science programs. This limits the application of credits from 2-year colleges, U.S. vocational or technology programs, and overseas programs to UIC lower-division (100- and 200-level) courses.**

WS21 ENGL 161

3.00 B

Academic Writing II

**Math Requirement - CS Major****11 hours required***EARNED: 12.00 HOURS*

1) Three courses required

WS21	MATH 180	4.00	A	Calculus I
SU21	MATH 181	5.00	C	MORAINEV: MTH 151 Calculus II/Analytic Geometry
FA21	MATH 210	3.00	C	Calculus III

**Math Electives - CS Major - Software Engineering****Six hours required**

1) Two courses from the list below.

FA21	MATH 310	3.00	B	Applied Linear Algebra
SU22	MATH 220	3.00	A	MORAINEV: MTH 201 Differential Equations

**Science Electives - CS Major****Ten hours required**

**Two courses are required from the list below. If additional hours are necessary to complete the ten required hours, courses may be selected from other courses on this list, courses that have any of these courses as prerequisites, or other science and quantitative social science courses from a list maintained by the Computer Science department. Please note that students may take the following: CHEM 122 and 123 OR CHEM 116; CHEM 124 and 125 OR CHEM 118.**

*EARNED: 12.00 HOURS*

WS21	CHEM 122	4.00	C	General Chemistry I Lecture
SU21	PHYS 141	4.00	A	MORAINEV: PHY 203 Mechanics
FA21	PHYS 142	4.00	A	MORAINEV: PHY 204 Heat, Elect & Magnetism

**Engineering Courses - CS Major - Software Engineering****51 hours required**

**Students who complete the requirements below but fall short of the total required hours should take additional hours of technical electives to make up the deficit.**

*EARNED: 52.00 HOURS*

1) Engineering Orientation

FA23	CS	377	3.00	A	Ethical Issues in Computing
FA23	CS	418	3.00	A	Introduction to Data Science
Matched as: CS 461					

## 6) 400 Level CS Courses

Three courses required

FA22	CS	401	3.00	C	Computer Algorithms I
FA23	CS	440	3.00	A	Software Engr I
WS24	CS	442	3.00	A	Software Engineering II

## 7) Professional Development Seminar

One course required

WS24	CS	499	0.00	S	Prof. Development Seminar
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**Technical Electives - CS Major - Software Engineering****Nine hours required****No more than one course from outside the CS department****can meet the technical elective requirement. CS 398****requires submission of appropriate documentation****to the College office to qualify for this requirement.***EARNED: 9.00 HOURS*

## 1) Two courses from Group A:

FA23	CS	422	3.00	B	User Interface Design
WS24	CS	480	3.00	A	Database Systems

## 2) One additional course from Group A above or Group B below:

WS23	CS	411	3.00	A	Artificial Intelligence I
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**Major GPA****2.0 required**

67.00	ATTEMPTED HOURS	220.00	POINTS	3.28	GPA
WS21	CS	111	3.00 B	Program Design I	
FA21	MATH	310	3.00 B	Applied Linear Algebra	
FA21	CS	141	3.00 B	Program Design II	
FA21	CS	151	3.00 C	Foundations of Computing	
WS22	IE	342	3.00 C	Probability & Stat for Engr	
WS22	CS	211	2.00 B	Programming Practicum	
WS22	CS	251	4.00 B	Data Structures	
WS22	CS	301	3.00 B	Languages and Automata	
SU22	MATH	220	3.00 A	MORaineV: MTH 201	
				Differential Equations	
FA22	CS	342	3.00 B	Software Design	
FA22	CS	401	3.00 C	Computer Algorithms I	
FA22	CS	261	3.00 C	Machine Organization	
WS23	CS	341	3.00 A	Programming Language Concepts	
WS23	CS	411	3.00 A	Artificial Intelligence I	
WS23	CS	361	3.00 A	Systems Programming	
FA23	CS	377	3.00 A	Ethical Issues in Computing	

**For a complete listing of approved courses, visit:**

**<http://catalog.uic.edu/ucat/degree-programs/general-education/>.**

### Analyzing the Natural World

**Three courses required**

**Any of the following math and science courses apply toward the campus Analyzing the Natural World requirement:**

**BIOS 110, BIOS 120, CHEM 122 & 123, CHEM 124 & 125, CHEM 116, CHEM 118, CHEM 118, EAES 101, EAES 111, MATH 180, MATH 181, MATH 210, PHYS 141, and PHYS 142.**

WS21	CHEM 123	1.00	C	General Chemistry Lab I
WS21	CHEM 122	4.00	C	General Chemistry I Lecture
WS21	MATH 180	4.00	A	Calculus I
SU21	MATH 181	5.00	C	MORAINEV: MTH 151 Calculus II/Analytic Geometry

### Understanding the Past

WS21	HIST 103	3.00	A	Early America
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### Exploring World Cultures

FA20	HIST 177	3.00	A	Middle Eastern Civ
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### Understanding the Individual and Society

WS22	ECON 120	3.00	A	MORAINEV: ECO 102 Micro-Economic Principles
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### Understanding U.S. Society

FA22	ECON 121	3.00	A	DALEY : ECON 201 Principles of Economics I
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### Understanding the Creative Arts

WS23	CREATIVE ARTS	3.00	A	WRIGHT : HUM 201 General Course I Humanities
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### Additional General Education Electives

**Six hours required in courses from the humanities, social sciences, or arts**

**EARNED: 6.00 HOURS**

Eligible courses include (1) any course from the campus general education lists Understanding the Past, Exploring World Cultures, Understanding the Individual and Society, Understanding U.S. Society, and Understanding the Creative Arts; (2) any course for

**Total Degree Hours****128 hours required**

**NOTE: You must complete any indicated shortages in each requirement category on this report; your remaining hours may be more than the minimum hours indicated below.**

*EARNED: 132.00 HOURS*

FA20	ENGL	160	3.00	A	Academic Writing I
FA20	HIST	177	3.00	A	Middle Eastern Civ
WS21	CHEM	123	1.00	C	General Chemistry Lab I
WS21	ENGL	161	3.00	B	Academic Writing II
WS21	CHEM	122	4.00	C	General Chemistry I Lecture
WS21	CS	111	3.00	B	Program Design I
WS21	HIST	103	3.00	A	Early America
WS21	MATH	180	4.00	A	Calculus I
SU21	MATH	181	5.00	C	MORAINEV: MTH 151 Calculus II/Analytic Geometry
SU21	PHYS	141	4.00	A	MORAINEV: PHY 203 Mechanics
FA21	MATH	310	3.00	B	Applied Linear Algebra
FA21	PHYS	142	4.00	A	MORAINEV: PHY 204 Heat, Elect & Magnetism
FA21	CS	141	3.00	B	Program Design II
FA21	CS	151	3.00	C	Foundations of Computing
FA21	MATH	210	3.00	C	Calculus III
WS22	ECON	120	3.00	A	MORAINEV: ECO 102 Micro-Economic Principles
WS22	IE	342	3.00	C	Probability & Stat for Engr
WS22	CS	211	2.00	B	Programming Practicum
WS22	CS	251	4.00	B	Data Structures
WS22	CS	301	3.00	B	Languages and Automata
SU22	MATH	220	3.00	A	MORAINEV: MTH 201 Differential Equations
FA22	CS	342	3.00	B	Software Design
FA22	CS	401	2.00	C	>S Computer Algorithms I
FA22	CS	401	1.00	C	>S Computer Algorithms I
FA22	ECON	121	3.00	A	DALEY : ECON 201 Principles of Economics I
FA22	HIST	101	3.00	B	DALEY : HISTORY142 Hist World Civiliz Frm 1500
FA22	CS	261	3.00	C	Machine Organization
WS23	CREATIVE ARTS		3.00	A	WRIGHT : HUM 201 General Course I Humanities
WS23	CS	341	3.00	A	Programming Language Concepts
WS23	CS	351	3.00	A	Adv Data Structure Practicum
WS23	CS	411	3.00	A	Artificial Intelligence I
WS23	CS	412	3.00	A	Intro to Machine Learning
WS23	POLS	101	3.00	A	OLIVEHAR: POL SCI201 The National Government
WS23	CS	361	3.00	A	Systems Programming
FA23	CS	377	3.00	A	Ethical Issues in Computing
FA23	CS	418	3.00	A	Introduction to Data Science

WS21	ENGL	161	3.00	B	Academic Writing II
WS21	CHEM	122	4.00	C	General Chemistry I Lecture
WS21	CS	111	3.00	B	Program Design I
WS21	HIST	103	3.00	A	Early America
WS21	MATH	180	4.00	A	Calculus I
FA21	ENGR	100	1.00	S*	Engr Orientation – No Freshme
FA21	MATH	310	3.00	B	Applied Linear Algebra
FA21	CS	141	3.00	B	Program Design II
FA21	CS	151	3.00	C	Foundations of Computing
FA21	MATH	210	3.00	C	Calculus III
WS22	IE	342	3.00	C	Probability & Stat for Engr
WS22	CS	211	2.00	B	Programming Practicum
WS22	CS	251	4.00	B	Data Structures
WS22	CS	301	3.00	B	Languages and Automata
FA22	CS	342	3.00	B	Software Design
FA22	CS	401	1.00	C	>S Computer Algorithms I

Total GPA

UIC GPA				2.0 required	
106.00	ATTEMPTED HOURS	357.00	POINTS	3.36	GPA
Transfer GPA					
31.00	ATTEMPTED HOURS	111.00	POINTS	3.58	GPA
UIC + Transfer GPA					
2.0 is required					
137.00	ATTEMPTED HOURS	468.00	POINTS	3.41	GPA

No Deficit Points are reported when your cumulative GPA is 2.0 or higher

ALL COURSES

EARNED: 140.00 HOURS

FA2020					
( 13.00 HOURS TAKEN)				4.00	GPA
FA20	DLG	120	1.00	S	Dialogue Seminar
FA20	ENGL	160	3.00	A	Academic Writing I
FA20	HIST	177	3.00	A	Middle Eastern Civ
FA20	ISA	100	1.00	S	Freshman Seminar
FA20	MATH	121	5.00	A	Precalculus Mathematics
WS2021					
( 18.00 HOURS TAKEN)				3.11	GPA
WS21	CHEM	122	4.00	C	General Chemistry I Lecture
WS21	CHEM	123	1.00	C	General Chemistry Lab I

WS22	CS	211	2.00	B	Programming Practicum
WS22	CS	251	4.00	B	Data Structures
WS22	CS	301	3.00	B	Languages and Automata
WS22	ECON	120	3.00	A	MORAINEV: ECO 102 Micro-Economic Principles
WS22	IE	342	3.00	C	Probability & Stat for Engr
SU2022					
( 3.00 HOURS TAKEN)			4.00 GPA		
SU22	MATH	220	3.00	A	MORAINEV: MTH 201 Differential Equations
FA2022					
( 15.00 HOURS TAKEN)			2.80 GPA		
FA22	CS	261	3.00	C	Machine Organization
FA22	CS	342	3.00	B	Software Design
FA22	CS	401	3.00	C	Computer Algorithms I
FA22	ECON	121	3.00	A	DALEY : ECON 201 Principles of Economics I
FA22	HIST	101	3.00	B	DALEY : HISTORY142 Hist World Civiliz Frm 1500
WS2023					
( 21.00 HOURS TAKEN)			4.00 GPA		
WS23	CREATIVE ARTS		3.00	A	WRIGHT : HUM 201 General Course I Humanities
WS23	CS	341	3.00	A	Programming Language Concepts
WS23	CS	351	3.00	A	Adv Data Structure Practicum
WS23	CS	361	3.00	A	Systems Programming
WS23	CS	411	3.00	A	Artificial Intelligence I
WS23	CS	412	3.00	A	Intro to Machine Learning
WS23	POLS	101	3.00	A	OLIVEHAR: POL SCI201 The National Government
FA2023					
( 16.00 HOURS TAKEN)			3.81 GPA		
FA23	CS	362	4.00	A	Computer Design
FA23	CS	377	3.00	A	Ethical Issues in Computing
FA23	CS	418	3.00	A	Introduction to Data Science
FA23	CS	422	3.00	B	User Interface Design
FA23	CS	440	3.00	A	Software Engr I
WS2024					
( 13.00 HOURS TAKEN)			4.00 GPA		
WS24	CS	442	3.00	A	Software Engineering II
WS24	CS	480	3.00	A	Database Systems
WS24	CS	499	0.00	S	Prof. Development Seminar
WS24	CS	511	4.00	A	Artificial Intelligence II
WS24	HN	196	3.00	A	Nutrition