

Zhu, Liao  
01451797

Program: A22C1BS  
Catalog Year: FA2021  
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The University of Iowa - Iowa City, Iowa

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### COMPUTER SCIENCE (BS) REQUIREMENTS

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**-> AT LEAST 1 REQUIREMENT IN YOUR AUDIT BELOW IS NOT SATISFIED <-**

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LIBERAL ARTS & SCI SEMESTER HOUR, GPA, AND RESIDENCE REQUIREMENTS  
**NO**

TOTAL S.H. COMPLETED ARE LISTED BELOW.  
HOURS DO NOT INCLUDE CURRENT REGISTRATION.

*73.00 semester hours*

--- R 1) 120 S.H. TOWARD DEGREE ARE REQUIRED FOR GRADUATION.

TOTAL S.H. TOWARD DEGREE ARE LISTED BELOW.  
HOURS DO NOT INCLUDE CURRENT REGISTRATION.

*73.00 semester hours*

**NEEDS:** *47.00 hours*

+ R 2) A MINIMUM OVERALL GPA OF 2.00 IS REQUIRED FOR DEGREE  
CURRENT OVERALL GPA IS:

*3.80 GPA*

+ R 3) A MINIMUM UI GPA OF 2.00 IS REQUIRED FOR DEGREE  
CURRENT UI GPA IS:

*3.80 GPA*

THE CLAS RESIDENCE REQUIREMENT BELOW MUST BE COMPLETED

+ R 4) 30 SH OF COURSES OFFERED BY THE COLLEGE OF LIBERAL ARTS  
AND SCIENCES HAVE BEEN COMPLETED.

ONE OF THE UI RESIDENCE OPTIONS BELOW MUST BE COMPLETED

--- 5) RESIDENCE OPTION 1: AT LEAST 90 S.H. MUST BE COMPLETED  
AFTER ADMISSION TO THE UNIVERSITY OF IOWA.

--- OR) RESIDENCE OPTION 2: 45 OF THE FINAL 60 S.H. FOR DEGREE  
MUST BE COMPLETED AFTER ADMISSION TO THE UNIVERSITY  
OF IOWA.

--- OR) RESIDENCE OPTION 3: FINAL CONSECUTIVE 30 S.H. FOR  
DEGREE MUST BE COMPLETED AFTER ADMISSION TO THE  
UNIVERSITY OF IOWA.

NO MORE THAN 60 S.H. OF COMMUNITY/2-YEAR  
COLLEGE CREDIT CAN BE APPLIED TOWARD  
THE 120 S.H. MINIMUM REQUIRED FOR GRADUATION

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#### COLLEGE OF LIBERAL ARTS AND SCIENCES REGULATIONS

THE FOLLOWING ARE COLLEGE OF LIBERAL ARTS AND SCIENCES  
RULES AND OTHER INFORMATION CONCERNING PROGRESS AT THE  
UNIVERSITY OF IOWA

5) EXAM CREDIT IS BELOW. A MAX OF 30 S.H. OF EXAM CREDIT  
WILL APPLY TO THE 120 S.H. DEGREE REQUIREMENT.

| Term | Course    | Credits | Grade | Crse Title                      |
|------|-----------|---------|-------|---------------------------------|
| FA21 | CHEM:1070 | 3.0     | R     | AP Chemistry<br>AP EXAM: AP 25  |
| FA21 | STAT:1020 | 4.0     | R     | AP Statistics<br>AP EXAM: AP 90 |

6) ALL TRANSFER COURSES ARE LISTED BELOW

3.00 semester hours

| Term | Course    | Credits | Grade | Crse Title                              |
|------|-----------|---------|-------|---|
| FA17 | CTCX:T062 | 3.0     | R     | Career & Tech Cred<br>KIRKWOOD: ZCT 016 |

ALL TRANSFER WORK FROM 4-YEAR INSTITUTIONS, AND UP  
TO 60 S.H. FROM 2-YEAR COLLEGES, MAY COUNT AS HOURS  
EARNED TOWARD DEGREE. HOURS EARNED TOWARD DEGREE ARE  
LISTED BELOW.

3.00 semester hours

11) CURRENT REGISTRATION IS BELOW

\*\* IN PROGRESS COURSES ONLY \*\*

16.00 semester hours

| Term | Course    | Credits | Grade | Crse Title                       |
|------|-----------|---------|-------|----------------------------------|
| FA23 | ARTH:1070 | 3.0     | *     | IP Asian Art and Culture         |
| FA23 | CS :2820  | 4.0     | *     | IP Intro Software Development    |
| FA23 | CS :3640  | 3.0     | *     | IP Intro Networks & Applications |
| FA23 | CS :4330  | 3.0     | *     | IP Theory of Computation         |
| FA23 | JPNS:1506 | 3.0     | *     | IP Ghostly Japan                 |

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#### GENERAL EDUCATION - COMMUNICATION AND LITERACY

OK

+ 3 S.H. OF DIVERSITY AND INCLUSION HAVE BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title                    |
|------|-----------|---------|-------|-------------------------------|
| SP23 | RELS:1015 | 3.0     | A+    | Global Rel Conflict/Diversity |

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## GENERAL EDUCATION - COMMUNICATION AND LITERACY

OK

### + THE RHETORIC REQUIREMENT HAS BEEN FULFILLED

| Term | Course    | Credits | Grade | Crse Title |
|------|-----------|---------|-------|------------|
| SP22 | RHET:1030 | 4.0     | A     | Rhetoric   |

### + INTERPRETATION OF LITERATURE HAS BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title                |
|------|-----------|---------|-------|---------------------------|
| FA22 | ENGL:1200 | 3.0     | A-    | The Interpretation of Lit |

WORLD LANGUAGE REQMT FULFILLED FOR ALL UNDERGRADUATE DEGREES

## GENERAL EDUCATION - NATURAL, QUANTITATIVE, AND SOCIAL SCIENCES

OK

### NATURAL SCIENCES

### + 7 S.H. OF NATURAL SCIENCE COURSES HAVE BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title                     |
|------|-----------|---------|-------|--------------------------------|
| FA21 | CHEM:1070 | 3.0     | R     | AP Chemistry<br>AP EXAM: AP 25 |
| FA21 | EES :1030 | 4.0     | A     | Introduction to Earth Science  |

### + A NATURAL SCIENCES LAB COURSE HAS BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title                    |
|------|-----------|---------|-------|-------------------------------|
| FA21 | EES :1030 | 4.0     | A     | Introduction to Earth Science |

### + 3 S.H. OF QUANTITATIVE OR FORMAL REASONING HAVE BEEN COMPLETED

| Term | Course   | Credits | Grade | Crse Title                   |
|------|----------|---------|-------|------------------------------|
| FA21 | CS :1210 | 4.0     | B+    | Computer Sci I: Fundamentals |

### + 3 S.H. OF SOCIAL SCIENCES HAVE BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title                   |
|------|-----------|---------|-------|------------------------------|
| FA22 | ECON:1100 | 4.0     | A     | Principles of Microeconomics |

## GENERAL EDUCATION - CULTURE, SOCIETY, AND THE ARTS

NO

### + 3 S.H. OF HISTORICAL PERSPECTIVES HAVE BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title               |
|------|-----------|---------|-------|--------------------------|
| SP23 | MUS :1303 | 3.0     | A     | History of Popular Music |

### --- INTERNATIONAL AND GLOBAL ISSUES

3 S.H. MUST BE COMPLETED

[CLICK TO SEARCH:](#) Approved General Education Courses

### + 3 S.H. OF LITERARY, VISUAL AND PERFORMING ARTS HAVE BEEN COMPLETED

| Term | Course | Credits | Grade | Crse Title |
|------|--------|---------|-------|------------|
|------|--------|---------|-------|------------|

| Term | Course    | Credits | Grade | Crse Title               |
|------|-----------|---------|-------|--------------------------|
| FA23 | ARTH:1070 | 3.0     | *     | IP Asian Art and Culture |

+ 3 S.H. OF VALUES AND CULTURE HAVE BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title       |
|------|-----------|---------|-------|------------------|
| FA23 | JPNS:1506 | 3.0     | *     | IP Ghostly Japan |

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THESE COURSES HAVE BEEN APPROVED IN MORE THAN ONE OF THE FOLLOWING GENERAL EDUCATION PROGRAM AREAS:

- SOCIAL SCIENCES
- HISTORICAL PERSPECTIVES
- INTERNATIONAL & GLOBAL ISSUES
- LITERARY, VISUAL & PERFORMING ARTS
- VALUES AND CULTURE

\* HIST PERSPECTIVES or LIT, VISUAL & PERFORMING ARTS

| Term | Course    | Credits | Grade | Crse Title               |
|------|-----------|---------|-------|--------------------------|
| FA23 | ARTH:1070 | 3.0     | *     | IP Asian Art and Culture |

IF YOU HAVE QUESTIONS ABOUT WHY A COURSE APPEARS IN A SPECIFIC GEP AREA ON THE AUDIT, CONTACT YOUR ADVISOR.

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MAJOR REQUIREMENTS FOR THE BA DEGREE DIFFER FROM THOSE BELOW. CONSULT ADVISOR FOR FURTHER INFORMATION.

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NO MORE THAN 56 S.H. FROM ANY SINGLE DEPARTMENT WILL COUNT TOWARD THE 120 S.H. REQUIRED FOR A BA OR BS DEGREE.

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#### COMPUTER SCIENCE (BS) REQUIREMENTS

NO

NOTE TO COMPUTER SCIENCE MAJORS: MAY NOT EARN A SECOND MAJOR OR MINOR IN BUSINESS ANALYTICS AND INFORMATION SYSTEMS, COMPUTER SCIENCE AND ENGINEERING, DATA SCIENCE, OR INFORMATICS.

CS:4980 IS A REPEATABLE, VARIABLE TOPIC COURSE. STUDENTS MAY NOT ENROLL IN THE SAME SUBTITLE MORE THAN ONE TIME FOR CREDIT. CONTACT YOUR ADVISOR FOR MORE INFORMATION.

+ 1) 1ST SEMESTER CALCULUS HAS BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title |
|------|-----------|---------|-------|------------|
| FA21 | MATH:1850 | 4.0     | B+    | Calculus I |

+ 2) 2ND SEMESTER CALCULUS HAS BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title                   |
|------|-----------|---------|-------|------------------------------|
| SP22 | MATH:1560 | 4.0     | A-    | Eng Math II: Multivarbl Calc |

--- 3) THE 8 REQUIRED COURSES BELOW MUST BE COMPLETED

| Term | Course   | Credits | Grade | Crse Title                       |
|------|----------|---------|-------|----------------------------------|
| FA21 | CS :1210 | 4.0     | B+    | Computer Sci I: Fundamentals     |
| SP22 | CS :2210 | 3.0     | A-    | Discrete Structures              |
| SP22 | CS :2230 | 4.0     | B+    | Computer Sci II: Data Struct     |
| FA22 | CS :2630 | 4.0     | A     | Computer Organization            |
| SP23 | CS :3330 | 3.0     | B+    | Algorithms                       |
| FA23 | CS :2820 | 4.0     | *     | IP Intro Software Development    |
| FA23 | CS :3640 | 3.0     | *     | IP Intro Networks & Applications |

**NEEDS:** *1 course*

**SELECT FROM:** CS :3820

+ 4) THE REQUIRED COURSE BELOW HAS BEEN COMPLETED

| Term | Course   | Credits | Grade | Crse Title               |
|------|----------|---------|-------|--------------------------|
| FA23 | CS :4330 | 3.0     | *     | IP Theory of Computation |

+ 5) 2 MATH ELECTIVES HAVE BEEN COMPLETED

| Term | Course    | Credits | Grade | Crse Title                    |
|------|-----------|---------|-------|-------------------------------|
| FA22 | MATH:2700 | 4.0     | A+    | Intro to Linear Algebra       |
| SP23 | STAT:2020 | 3.0     | A+    | Probab & Stats Engr & Phy Sci |

--- 6) 4 ADVANCED TECHNICAL COURSES MUST BE COMPLETED, AT

LEAST 2 OF WHICH MUST BE FROM THE COURSES LISTED BELOW. OTHER COURSES MAY ALSO APPLY; SEE ADVISOR FOR MORE INFORMATION.

(A COURSE CHOSEN TO FULFILL ONE REQUIREMENT CANNOT BE USED TO FULFILL A SECOND; NO MORE THAN 3 S.H. OF CS:3990)

| Term | Course    | Credits | Grade | Crse Title              |
|------|-----------|---------|-------|-------------------------|
| SP23 | MATH:3800 | 3.0     | A-    | Intro Numerical Methods |

**NEEDS:** *9.00 hours* *3 courses*

**NOT FROM:** CS :3910, 3980, 4310

**SELECT FROM:** CS :3990  
CS :3620 TO 5899

--- 7) 2 OR MORE COURSES IN A SEQUENCE REQUIRED OF MAJORS IN A CHOSEN AREA OF NATURAL SCIENCE MUST BE COMPLETED. CHECK WITH COMPUTER SCIENCE ADVISOR OR UNDERGRADUATE HANDBOOK FOR ACCEPTABLE COURSES.

| Term | Course    | Credits | Grade | Crse Title                    |
|------|-----------|---------|-------|-------------------------------|
| FA21 | EES :1030 | 4.0     | A     | Introduction to Earth Science |

8) AT LEAST 7 COURSES (MINIMUM OF 21 S.H.)

OF THE REQUIRED COMPUTER SCIENCE COURSE WORK BELOW  
MUST BE COMPLETED AT THE UNIVERSITY OF IOWA

| Term                                 | Course   | Credits | Grade | Crse Title                       |
|--------------------------------------|----------|---------|-------|----------------------------------|
| FA22                                 | CS :2630 | 4.0     | A     | Computer Organization            |
| SP23                                 | CS :3330 | 3.0     | B+    | Algorithms                       |
| FA23                                 | CS :2820 | 4.0     | *     | IP Intro Software Development    |
| FA23                                 | CS :3640 | 3.0     | *     | IP Intro Networks & Applications |
| FA23                                 | CS :4330 | 3.0     | *     | IP Theory of Computation         |
| <b>NEEDS:</b> 4.00 hours 2 courses   |          |         |       |                                  |
| <b>NOT FROM:</b> CS :3910,3980,4310  |          |         |       |                                  |
| <b>SELECT FROM:</b> CS :3620 TO 5899 |          |         |       |                                  |

9) A MINIMUM MAJOR GPA OF 2.00 MUST BE MAINTAINED

CURRENT MAJOR GPA IS:

46.00 semester hours

36.00 GPA hours

132.96 points

3.69 GPA

| Term | Course    | Credits | Grade | Crse Title                       |
|------|-----------|---------|-------|----------------------------------|
| FA21 | CS :1210  | 4.0     | B+    | Computer Sci I: Fundamentals     |
| FA21 | MATH:1850 | 4.0     | B+    | Calculus I                       |
| SP22 | CS :2210  | 3.0     | A-    | Discrete Structures              |
| SP22 | CS :2230  | 4.0     | B+    | Computer Sci II: Data Struct     |
| SP22 | MATH:1560 | 4.0     | A-    | Eng Math II: Multivarbl Calc     |
| FA22 | CS :2630  | 4.0     | A     | Computer Organization            |
| FA22 | MATH:2700 | 4.0     | A+    | Intro to Linear Algebra          |
| SP23 | CS :3330  | 3.0     | B+    | Algorithms                       |
| SP23 | MATH:3800 | 3.0     | A-    | Intro Numerical Methods          |
| SP23 | STAT:2020 | 3.0     | A+    | Probab & Stats Engr & Phy Sci    |
| FA23 | CS :2820  | 4.0     | *     | IP Intro Software Development    |
| FA23 | CS :3640  | 3.0     | *     | IP Intro Networks & Applications |
| FA23 | CS :4330  | 3.0     | *     | IP Theory of Computation         |

10) A MINIMUM UI MAJOR GPA OF 2.00 MUST BE MAINTAINED

CURRENT UI MAJOR GPA IS:

46.00 semester hours

36.00 GPA hours

132.96 points

3.69 GPA

| Term | Course    | Credits | Grade | Crse Title                    |
|------|-----------|---------|-------|-------------------------------|
| FA21 | CS :1210  | 4.0     | B+    | Computer Sci I: Fundamentals  |
| FA21 | MATH:1850 | 4.0     | B+    | Calculus I                    |
| SP22 | CS :2210  | 3.0     | A-    | Discrete Structures           |
| SP22 | CS :2230  | 4.0     | B+    | Computer Sci II: Data Struct  |
| SP22 | MATH:1560 | 4.0     | A-    | Eng Math II: Multivarbl Calc  |
| FA22 | CS :2630  | 4.0     | A     | Computer Organization         |
| FA22 | MATH:2700 | 4.0     | A+    | Intro to Linear Algebra       |
| SP23 | CS :3330  | 3.0     | B+    | Algorithms                    |
| SP23 | MATH:3800 | 3.0     | A-    | Intro Numerical Methods       |
| SP23 | STAT:2020 | 3.0     | A+    | Probab & Stats Engr & Phy Sci |

|      |    |       |       |                                  |
|------|----|-------|-------|----------------------------------|
| FA23 | CS | :2820 | 4.0 * | IP Intro Software Development    |
| FA23 | CS | :3640 | 3.0 * | IP Intro Networks & Applications |
| FA23 | CS | :4330 | 3.0 * | IP Theory of Computation         |

## COURSE POOL

### THE FOLLOWING UI COURSES COUNT AS ELECTIVES

| Term | Course    | Credits | Grade | Crse Title                    |
|------|-----------|---------|-------|-------------------------------|
| FA21 | CHIN:1111 | 5.0     | A-    | First-Year Chinese: First Sem |
| FA21 | CSI :1600 | 0.0     | AUS   | Success at Iowa               |
| FA21 | HONR:1310 | 1.0     | A     | Honors Research FY Seminar    |

### THE FOLLOWING TRANSFER COURSES COUNT AS ELECTIVES

| Term | Course    | Credits | Grade | Crse Title                              |
|------|-----------|---------|-------|---|
| FA17 | CTCX:T062 | 3.0     | R     | Career & Tech Cred<br>KIRKWOOD: ZCT 016 |

*This degree audit has been prepared to assist you in determining your academic progress at The University of Iowa. While efforts have been made to ensure its accuracy, final responsibility for meeting graduation requirements resides with you.*

*The Office of the Registrar along with your major department will certify your successful completion of degree requirements.*

*All 'in progress' (IP) courses must be completed satisfactorily to fulfill requirements. Courses taken to remove high school unit deficiencies do not count toward completion of the General Education Program, with the exception of Rhetoric and World Languages.*

*If you have questions, please contact your advisor immediately.*

Advisor name: Oliveira, Suely  
 addr: 101H MLH  
 email: [suely-oliveira@uiowa.edu](mailto:suely-oliveira@uiowa.edu)

### **\*\* Placement Tests \*\***

The results of your placement tests are below. Consult with your academic advisor to discuss the most appropriate courses for you.

| TEST NAME            | SCORE | TEST DATE  | RECOMMENDED PLACEMENT         |
|----------------------|-------|------------|-------------------------------|
| ALEKS                | 91    | 05/21/2021 | MATH:1350,1380,1460,1550,1850 |
| Chem Diagnostic Test | 23    | 05/22/2021 | Consult with Advisor          |
| Chinese Webcape      | 0     | 08/19/2021 | CHIN:1111/First-Year Chinese  |
| MPT Level 3          | 19    | 05/21/2021 | MATH:1860                     |

### **\*\* AP and CLEP \*\***

For specific information on these tests, see [Credit by Exam Options](#).

| TEST NAME             | SCORE | TEST DATE | CREDIT | EVALUATION    |
|-----------------------|-------|-----------|--------|---------------|
| AP Biology            | 3     | 05/2019   | 0.0    | Score too low |
| AP Calculus BC        | 3     | 05/2020   | 0.0    | Score too low |
| AP Chemistry          | 4     | 05/2020   | 3.0    | CHEM:1070     |
| AP Computer Science A | 2     | 05/2019   | 0.0    | Score too low |
| AP English Literature | 3     | 05/2021   | 0.0    | Score too low |
| AP Human Geography    | 3     | 05/2019   | 0.0    | Score too low |
| AP Statistics         | 4     | 05/2021   | 4.0    | STAT:1020     |

**\*\*\*\*\* Transfer Course Work, Placement Test Scores and/or UI Additional Credit \*\*\*\*\***

| Year-Term | Institution | Course  |  | Taken | Grade | Course Title         |
|-----------|-------------|---------|--|-------|-------|----------------------|
| FA2017    | KIRKWOOD    | ZCT 016 |  | 3     | R     | CAREER & TECH CREDIT |
| SU2021    | PLACEMNT    | PLAC 08 |  | 19    |       | MPT Level 3          |
|           | PLACEMNT    | PLAC 14 |  | 23    |       | Chem Diagnostic Test |
|           | PLACEMNT    | PLAC 19 |  | 91    |       | ALEKS                |
|           | PLACEMNT    | PLAC 20 |  | 0     |       | Chinese Webcape      |
| FA2021    | AP EXAM     | AP 20   |  | 0     | 3     | Biology              |
|           | AP EXAM     | AP 25   |  | 0     | 4     | Chemistry            |
|           | AP EXAM     | AP 31   |  | 0     | 2     | Computer Science A   |
|           | AP EXAM     | AP 37   |  | 0     | 3     | English Literature   |
|           | AP EXAM     | AP 53   |  | 0     | 3     | AP Human Geography   |
|           | AP EXAM     | AP 68   |  | 0     | 3     | Calculus BC          |
|           | AP EXAM     | AP 90   |  | 0     | 4     | Statistics           |

\*\*\*\*\* End of Transfer Course Work, Placement Test Scores and/or UI Additional Credit \*\*\*\*\*

#### L E G E N D

|                                       |  |
|---------------------------------------|--|
| NO = Requirement not complete         | >D = Duplicative or regressive course    |
| OK = Requirement completed            | >S = Hours applied to two req.           |
| IP = Current registration             | >X = Second grade only course            |
| PL = MyPlan Course                    | >R = Repeatable course                   |
| R = Mandatory sub-req.                | TRN or TRNX equivalencies are considered |
| + = Sub-req. completed or in progress | elective credit but could possibly       |
| - = Sub-req. not complete             | satisfy a General Education Requirement. |

\*\*\*\*\* Approved general education courses can be found on [MyUI on the Courses tab](#)

\*\*\*\*\* END OF ANALYSIS \*\*\*\*\*