

# UNIVERSITY OF DENVER

Denver, Colorado 80208-9405  
Office of the Registrar

Student No: 873367333

Date of Birth: 09-FEB

Date Issued: 20-AUG-2024

Record of: Darragh Mahns

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Issued To: Darragh Mahns

Parchment DocumentID: TE5MYELK

Course Level: Undergraduate

Credential/Degree Awarded: Bachelor of Science 19-AUG-2022

Major : Computer Science

Minor : Mathematics

Business Administration

| SUBJ NO. | COURSE TITLE | CRED GRD | PTS R | SUBJ NO. | COURSE TITLE | CRED GRD | PTS R |
|----------|--------------|----------|-------|----------|--------------|----------|-------|
|----------|--------------|----------|-------|----------|--------------|----------|-------|

Institution Information continued:

|             |                           |             |           |
|-------------|---------------------------|-------------|-----------|
| MKTG 2800   | Introduction to Marketing | 4.00 B+     | 13.20     |
| Ehrs: 12.00 | GPA-Hrs: 12.00            | QPts: 44.00 | GPA: 3.66 |

TRANSFER CREDIT ACCEPTED BY THE INSTITUTION:

|              |                    |            |               |            |           |
|--------------|--------------------|------------|---------------|------------|-----------|
| Autumn Quart | Advanced Placement | Ehrs: 8.00 | GPA-Hrs: 0.00 | QPts: 0.00 | GPA: 0.00 |
|--------------|--------------------|------------|---------------|------------|-----------|

Spring Quarter 2020

Due to a global health emergency in spring 2020, students permitted to convert grades from letter grading to:

P+ -- Pass Plus -- grade of C- or greater

P -- Pass -- grade of D+, D or D-

NP -- No Pass -- grade lower than D-

INSTITUTION CREDIT:

|                     |                         |             |           |  |  |
|---------------------|-------------------------|-------------|-----------|--|--|
| Autumn Quarter 2018 |                         |             |           |  |  |
| CHEM 1010           | General Chemistry I     | 3.00 C+     | 6.90      |  |  |
| CHEM 1240           | General Chemistry I Lab | 1.00 A      | 4.00      |  |  |
| FSEM 1111           | First Year Seminar      | 4.00 A      | 16.00     |  |  |
| MATH 1952           | Calculus II             | 4.00 A-     | 14.80     |  |  |
| SPAN 1002           | Beginning Spanish       | 4.00 A-     | 14.80     |  |  |
| Ehrs: 16.00         | GPA-Hrs: 16.00          | QPts: 56.50 | GPA: 3.53 |  |  |

|             |                               |             |           |
|-------------|-------------------------------|-------------|-----------|
| ACTG 2200   | Intro to Financial Reporting  | 4.00 A      | 16.00     |
| BUS 3000    | Business Communications       | 4.00 A      | 16.00     |
| CMGT 2300   | Arch Plan & Design Mgmt       | 4.00 A      | 16.00     |
| REAL 1700   | Business of Built Environment | 4.00 A      | 16.00     |
| Ehrs: 16.00 | GPA-Hrs: 16.00                | QPts: 64.00 | GPA: 4.00 |
| Dean's List |                               |             |           |

|                     |                               |             |           |  |  |
|---------------------|-------------------------------|-------------|-----------|--|--|
| Winter Quarter 2019 |                               |             |           |  |  |
| ECON 1020           | Micro- and Macroeconomics I   | 4.00 A-     | 14.80     |  |  |
| GEOG 1410           | People, Places & Landscapes   | 4.00 B+     | 13.20     |  |  |
| SPAN 1003           | Beginning Spanish             | 4.00 A-     | 14.80     |  |  |
| WRIT 1122           | Rhetoric and Academic Writing | 4.00 A-     | 14.80     |  |  |
| Ehrs: 16.00         | GPA-Hrs: 16.00                | QPts: 57.60 | GPA: 3.60 |  |  |

Autumn Quarter 2020

|             |                                |             |           |
|-------------|--------------------------------|-------------|-----------|
| ACTG 2300   | Accounting for Decision Making | 4.00 B      | 12.00     |
| FIN 2800    | Financial Decision Making      | 4.00 B      | 12.00     |
| REAL 3307   | Real Estate Finance            | 4.00 B      | 12.00     |
| REAL 3357   | Corporate Real Estate & Mgmt   | 4.00 A-     | 14.80     |
| Ehrs: 16.00 | GPA-Hrs: 16.00                 | QPts: 50.80 | GPA: 3.17 |

|                     |                              |             |           |  |  |
|---------------------|------------------------------|-------------|-----------|--|--|
| Spring Quarter 2019 |                              |             |           |  |  |
| BUS 1000            | Gateway to Business          | 4.00 A-     | 14.80     |  |  |
| BUS 1099            | Daniels Prof Dev Prog I      | 0.00 P      | 0.00      |  |  |
| INFO 1010           | Analytics I: Data & Analysis | 4.00 A      | 16.00     |  |  |
| MUAC 1019           | American Popular Music       | 4.00 A-     | 14.80     |  |  |
| WRIT 1133           | Writing and Research         | 4.00 A-     | 14.80     |  |  |
| Ehrs: 16.00         | GPA-Hrs: 16.00               | QPts: 60.40 | GPA: 3.77 |  |  |
| Dean's List         |                              |             |           |  |  |

Winter Quarter 2021

|                    |                              |             |           |
|--------------------|------------------------------|-------------|-----------|
| COMP 1671          | Intro to Computer Science I  | 4.00 A      | 16.00     |
| FIN 3200           | Corporate Financial Problems | 4.00 A      | 16.00     |
| Incomplete Removed |                              |             |           |
| JAPN 1416          | Postwar Japan                | 4.00 A      | 16.00     |
| MGMT 3000          | Business Policy and Strategy | 4.00 B+     | 13.20     |
| Ehrs: 16.00        | GPA-Hrs: 16.00               | QPts: 61.20 | GPA: 3.82 |
| Dean's List        |                              |             |           |

|                     |                                |             |           |  |  |
|---------------------|--------------------------------|-------------|-----------|--|--|
| Autumn Quarter 2019 |                                |             |           |  |  |
| BUS 2099            | Daniels Prof Dev Prog II       | 0.00 P      | 0.00      |  |  |
| GEOG 1201           | Environmental Systems: Weather | 4.00 A      | 16.00     |  |  |
| INFO 2020           | Analytics III: Bus Modeling    | 4.00 A      | 16.00     |  |  |
| LGST 2000           | Foundations of Business Law    | 4.00 B+     | 13.20     |  |  |
| MGMT 2100           | Leading High Performance Orgs  | 4.00 B+     | 13.20     |  |  |
| Ehrs: 16.00         | GPA-Hrs: 16.00                 | QPts: 58.40 | GPA: 3.65 |  |  |

Spring Quarter 2021

|             |                              |             |           |
|-------------|------------------------------|-------------|-----------|
| COMP 1672   | Intro to Computer Science II | 4.00 A-     | 14.80     |
| COMP 2300   | Discrete Structures in CS    | 4.00 A      | 16.00     |
| COMP 2691   | Computer Organization        | 4.00 P+     | 0.00      |
| MATH 1953   | Calculus III                 | 0.00 W      | 0.00      |
| Ehrs: 12.00 | GPA-Hrs: 8.00                | QPts: 30.80 | GPA: 3.85 |

|                     |                               |         |       |  |  |
|---------------------|-------------------------------|---------|-------|--|--|
| Winter Quarter 2020 |                               |         |       |  |  |
| GEOG 1202           | Env. Systems: Hydrology       | 4.00 A  | 16.00 |  |  |
| INFO 3100           | Automating Business Processes | 4.00 A- | 14.80 |  |  |
| INFO 3140           | Found of Information Mgmt     | 0.00 W  | 0.00  |  |  |

Summer Quarter 2021

|            |               |             |           |
|------------|---------------|-------------|-----------|
| MATH 1953  | Calculus III  | 4.00 B-     | 10.80     |
| Ehrs: 4.00 | GPA-Hrs: 4.00 | QPts: 10.80 | GPA: 2.70 |

\*\*\*\*\* CONTINUED ON NEXT COLUMN \*\*\*\*\*

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Dennis Maurice Becker, Registrar

# UNIVERSITY OF DENVER

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Level: Undergraduate

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| SUBJ | NO. | COURSE TITLE | CRED | GRD | PTS | R |
|------|-----|--------------|------|-----|-----|---|
|------|-----|--------------|------|-----|-----|---|

Institution Information continued:

Autumn Quarter 2021

|       |       |                                |       |       |       |      |
|-------|-------|--------------------------------|-------|-------|-------|------|
| ASEM  | 2589  | Thinking                       | 4.00  | B     | 12.00 |      |
| COMP  | 2673  | Intro to Computer Science III  | 4.00  | A     | 16.00 |      |
| MATH  | 2060  | Elements of Linear Algebra     | 4.00  | A-    | 14.80 |      |
| MATH  | 2200  | Mathematical Reasoning & Proof | 4.00  | B+    | 13.20 |      |
| Ehrs: | 16.00 | GPA-Hrs: 16.00                 | QPts: | 56.00 | GPA:  | 3.50 |

Winter Quarter 2022

|       |       |                                |       |       |       |      |
|-------|-------|--------------------------------|-------|-------|-------|------|
| COMP  | 2370  | Intro Algorithms & Data Struct | 4.00  | A-    | 14.80 |      |
| COMP  | 3421  | Database Organization & Mgmt I | 4.00  | B+    | 13.20 |      |
| COMP  | 3705  | Tpcs: Performance Modeling     | 4.00  | A     | 16.00 |      |
| Ehrs: | 12.00 | GPA-Hrs: 12.00                 | QPts: | 44.00 | GPA:  | 3.66 |

Spring Quarter 2022

|       |       |                              |       |       |       |      |
|-------|-------|------------------------------|-------|-------|-------|------|
| COMP  | 2355  | Intro to Systems Programming | 4.00  | A     | 16.00 |      |
| COMP  | 3351  | Programming Languages        | 4.00  | B     | 12.00 |      |
| COMP  | 3723  | Ethical Hacking              | 4.00  | C+    | 9.20  |      |
| Ehrs: | 12.00 | GPA-Hrs: 12.00               | QPts: | 37.20 | GPA:  | 3.10 |

Summer Quarter 2022

|       |       |                            |       |       |       |      |
|-------|-------|----------------------------|-------|-------|-------|------|
| COMP  | 3361  | Operating Systems I        | 4.00  | A-    | 14.80 |      |
| COMP  | 3432  | Machine Learning           | 4.00  | C-    | 6.80  |      |
| COMP  | 3991  | IS: Full-Stack Engineering | 4.00  | A-    | 14.80 |      |
| Ehrs: | 12.00 | GPA-Hrs: 12.00             | QPts: | 36.40 | GPA:  | 3.03 |

\*\*\*\*\* TRANSCRIPT TOTALS \*\*\*\*\*

|                   | Earned Hrs | GPA Hrs | Points | GPA  |
|-------------------|------------|---------|--------|------|
| TOTAL INSTITUTION | 192.00     | 188.00  | 668.10 | 3.55 |

|                |      |      |      |      |
|----------------|------|------|------|------|
| TOTAL TRANSFER | 8.00 | 0.00 | 0.00 | 0.00 |
|----------------|------|------|------|------|

|         |        |        |        |      |
|---------|--------|--------|--------|------|
| OVERALL | 200.00 | 188.00 | 668.10 | 3.55 |
|---------|--------|--------|--------|------|

\*\*\*\*\* END OF TRANSCRIPT \*\*\*\*\*

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Dennis Maurice Becker, Registrar

## EXPLANATION OF TRANSCRIPT

### GRADING SYSTEMS

#### LETTER GRADING SYSTEM

##### COLLEGE OF LAW, BEGINNING FALL 1990

##### OTHER PROGRAMS, BEGINNING FALL 1992

##### GRADUATE TAX PROGRAM, ADOPTED FALL 2015

| GRADE | DEFINITION   | GRADE POINTS | GRADE | DEFINITION         | GRADE POINTS |
|-------|--------------|--------------|-------|--------------------|--------------|
| A     | Excellent    | 4.0          | P     | Passing            | 0            |
| A-    |              | 3.7          | I     | Incomplete         | 0            |
| B+    |              | 3.3          | W     | Withdrawn          | 0            |
| B     | Good         | 3.0          | NC    | No Credit          | 0            |
| B-    |              | 2.7          | WC    | Without Credit     | 0            |
| C+    |              | 2.3          | W/WP  | Withdrawn          |              |
| C     | Satisfactory | 2.0          |       | Without Prejudice  | 0            |
| C-    |              | 1.7          | IP    | In Progress or     | 0            |
| D+    |              | 1.3          |       | Grade Not Reported |              |
| D     | Passing      | 1.0          | NR    | Grade Not Reported | 0            |
| D-    |              | 0.7          | NP    | No Pass            | 0            |
| F     | Failing      | 0            |       |                    |              |

#### NUMERIC GRADING SYSTEM

##### COLLEGE OF LAW, PRIOR TO FALL 1990

##### GRADUATE TAX PROGRAM, PRIOR TO FALL 2015

| GRADE  | DEFINITION | GRADE POINTS | GRADE | DEFINITION         | GRADE POINTS |
|--------|------------|--------------|-------|--------------------|--------------|
| 85-100 | A          | 85-100       | W/WP  | Withdrawn          | 0            |
| 77-84  | B          | 77-84        |       | Without Prejudice  |              |
| 68-76  | C          | 68-76        | NR    | Grade Not Reported | 0            |
| 60-67  | D          | 60-67        | IP    | In Progress or     | 0            |
| 45-59  | F          | 45-59        |       | Grade Not Reported |              |
| P      | Passing    | 0            | NC    | No Credit          | 0            |
| F      | Failing    | 0            | I     | Incomplete         | 0            |

#### GRADING SYSTEM BEGINNING FALL 1965

| GRADE | DEFINITION   | GRADE POINTS | GRADE   | DEFINITION        | GRADE POINTS |
|-------|--------------|--------------|---------|-------------------|--------------|
| A     | Excellent    | 4.0          | W, WP** | Withdrawn         | 0            |
| B     | Good         | 3.0          |         | Without Prejudice |              |
| C     | Satisfactory | 2.0          | NC      | No Credit         | 0            |
| D     | Passing      | 1.0          | WF*     | Withdrawn Failing | 0            |
| F     | Failing      | 0.0          | I       | Incomplete        | 0            |
| P     | Passing      | 0.0          |         |                   |              |

\*Discontinued 1984

\*\*Discontinued 1987

#### GOOD STANDING

All students are considered in good standing unless stated otherwise on the transcript.

#### REPEATED COURSES

Repeated courses are denoted under the “R” column. “I” indicates a repeated course is included in earned hours and GPA calculations; “A” indicates a repeated course is included in GPA calculations but excluded from earned hours; “E” indicates that a repeated course is excluded from earned hours and GPA calculations.

### SUBJECT CODES

For a detailed explanation of the subject codes on this transcript please visit: <http://www.du.edu/registrar/course/coursecode.html>.

### COURSE NUMBERING

#### Prior to September 1985

|             |                       |           |                       |
|-------------|-----------------------|-----------|-----------------------|
| 1-99        | Elementary            | 0001-0999 | Elementary            |
| 100-199     | Intermediate          | 1000-1999 | Intermediate          |
| 200-299     | Advanced              | 2000-2999 | Advanced              |
| 300-399     | Advanced and Graduate | 3000-3999 | Advanced and Graduate |
| 400 or Over | Graduate              | 4000-5999 | Graduate              |

#### Beginning Summer 2002

|              |  |
|--------------|--|
| 0001-0999    | Pre-collegiate, Remedial, or Continuing Education Unit Courses |
| 1000-1999    | Undergraduate Courses (Lower Division)                         |
| 2000-2999    | Advanced Undergraduate Courses (Upper Division)                |
| 3000-3999    | Advanced Undergraduate and Graduate Courses (Combined)         |
| 4000 or Over | Graduate Courses   |

### COURSES TAKEN AT OTHER INSTITUTIONS

Grades for courses taken at other institutions are marked with an asterisk and are not calculated into the grade point average.

### ACADEMIC CALENDAR

With the exception of the College of Law, the academic calendar used is the quarter. The quarter is generally ten weeks exclusive of the final examination period. In fall 1990, the College of Law adopted a semester calendar. Study abroad, distance learning, interterm and other special courses vary in length but are reported in quarter hours (or semester hours for the College of Law).

### LENGTH OF DEGREE PROGRAMS

The number of credit hours required for a degree is dependent on program requirements. A baccalaureate requires a minimum of 180 quarter hours; a master 45 and a doctorate 90-135 quarter hours beyond the bachelor's degree. 90 semester hours are required for a juris doctor degree.

### SECONDARY MAJOR

A second major outside the primary degree program.

### ACCREDITATION

The University of Denver is accredited by the Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools as a degree-granting institution at the baccalaureate, graduate, professional, and doctoral levels.

### TRANSCRIPT AUTHENTICITY

A transcript is official when each page bears the preprinted University seal and includes the signature and title of the issuing authority. The transcript form is red and incorporates a background design of the University's seal.

### RELEASE OF INFORMATION

The message “ISSUED TO STUDENT” will be printed on the transcript when the transcript is provided directly to the student. This transcript cannot be released to any third party without the written consent of the student. These instructions are in accordance with the Family Educational Rights and Privacy Act of 1974.

### RECIPROCAL AGREEMENT PROGRAM

Prior to fall 2007, graduate credit taken at the Iliff School of Theology may be reflected on this transcript under the subject code ILIF. Effective fall 2007, the University of Denver assumed the administrative operations of the Joint PhD program with the Iliff School of Theology. All graduate credit taken at Iliff thereafter is reflected on this transcript under the subject code THEO or RLG. Complete transcripts for students who graduated from the Joint PhD program prior to fall 2007 are available from the Iliff School of Theology.