

### ቅድስት ማርያም ዩኒቨርስቲ ST.MARY'S UNIVERSITY

የቅድስት ማርያም ዩኒቨርስቲ ሴኔት ከትምህርት ሚኒስቴር በተሰጠው ሥልጣን መሠረት ደህንን

### የሳይንስ ባችስር ዲግሪ

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| Uni           | ባ <u>ት ሺህ አስራ አራት</u> ዓ.ም. ተሰጠ።           | 11.11  |
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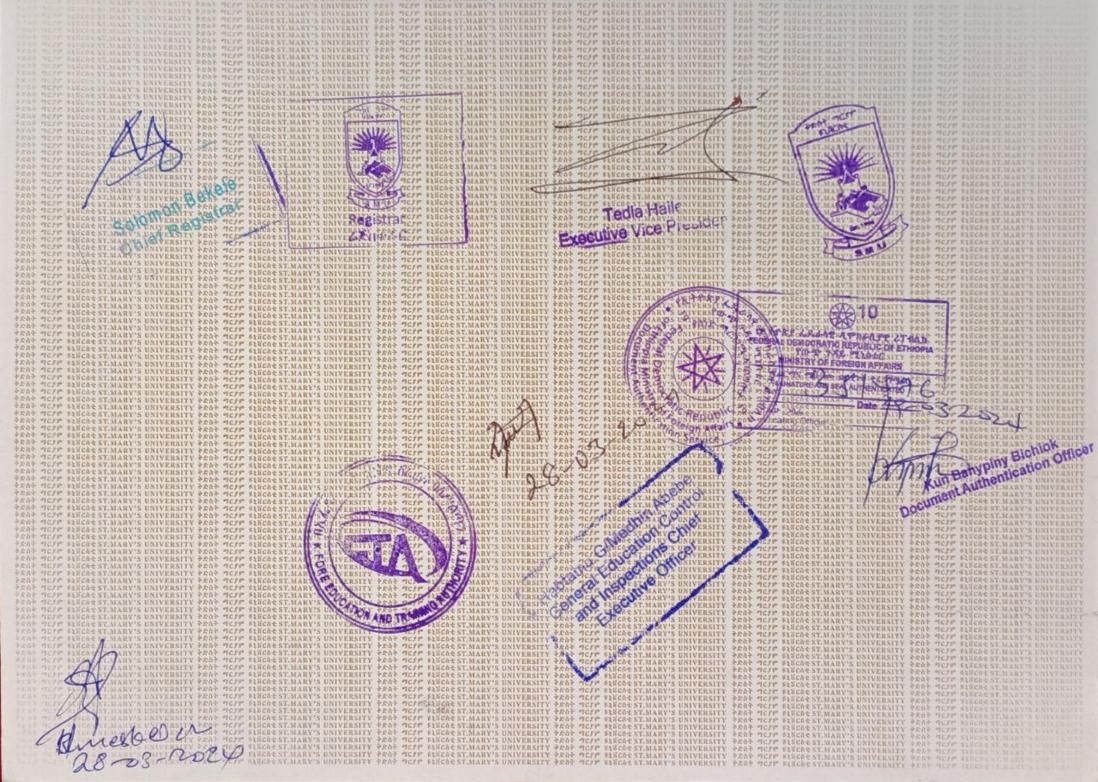
ዋና ሬጅስትራር Chief Registrar The Senate of St. Mary's University by virtue of the powers vested in it by the Ministry of Education hereby grants to :

#### Ezra Mekuria Tessema

# The Degree of Bachelor of Science

| With all Honours, privileges and  | outer Science            |                       |
|-----------------------------------|--------------------------|-----------------------|
| thereof has authorized the issuar | obligations pertaining t | nereto and in witness |
|                                   | ice of this diploma duly | signed and sealed.    |
| Issued in Addis Ababa on this     | Twenty first             |                       |

President, SMU



Training Level: <u>Degree</u>
Faculty: <u>Informatics</u>

Department: Computer Science

## ST. MARY'S UNIVERSITY OFFICE OF THE REGISTRAR P.O.BOX 1211. ADDIS ABABA, ETHIOPIA STUDENT'S ACADEMIC RECORD

Admission Classification: Regular

Status: Graduate

Degree Award Date: July 21, 2022 Medium of Instruction: English

|  | Student's F    | ıll Name: Ezra Mekuria Tessema   | 5         | Studen          | t ID: F | RCD/2030/20 | 011 Sex: M Date of Birth: 13/07/2000 (06/11  | /1992 E. | .C.)  |          |
|--|----------------|--|-----------|-----------------|---------|-------------|--|----------|-------|----------|
|  |                | Academic Year 2018/2019 (2011 E.C.) Semester I   |           |                 |         |             | Academic Year 2019 (2011 E.C.) Semester II   | 1        |       |          |
|  | Course No.     | Course Title   | Cr.Hrs    | Grade           | Gr.Pts. | Course No.  | Course Title   | Q. Hrs   | Grade | Gr.Pts.  |
|  | Civi 101       | eivic and Ethical Education  | 3         | A               | 12      | CoSc - 212  | Programming Fundamentals I   | 3        | A+    | 12       |
|  | Cost 201 A     | Introduction to Computer Science   | 3         | A               | 12      | CoSc 381    | Programming Fundamentals I  Data Communication and Computer Networks  Digital Electronics and Logic Design | 3        | B-    | 8.01     |
| market and the same of the sam | Entsta         | Configurative English Skills   | 3         | B-              | 8.01    | Cosc.243    | Digital Electronics and Logic Design   | 3        | A     | 12       |
|  | Loui kola goli | ALCO ALCO ALCO ALCO ALCO ALCO ALCO ALCO  | 3         | B+              | 9.99    | EnLa-202    | Basic Writing Skills   | 3        | C     | 6        |
| 1 200  | Man The        | Applied Manufacture of the Control o | 4         | A               | 16      | Math 232    | Applied Mathematics II   | 4        | B-    | 10.68    |
| PATPAL DE  | OF FOR         | The state of the s | 16        |                 | 58      |             |  | 16       |       | 48.69    |
| FED  |                | A Bauth S  | emester ( | GPA             | 3.62    |             | Se   | mester ( | GPA   | 3.04     |
| 1  | WITH S         |  | mulative  | e GPA           | 3.62    |             | Cur  | mulative | GPA   | 3.33     |
| 1 28 No  | 1110 92 3      | The street   | · Pro     | Dear            | 's List |             |  |          |       |          |
| 15 8 3 ×   | NY 3           | Academic Year 200 (2011 E.C.) Semoster ILL   | 16. Y     |                 |         |             | Academic Year 2019/2020 (2012 E.C.) Semester I   |          |       |          |
| me pia   | Corrse No      | Course Title   | er.Hrs    | Grade           | Gr.Pts. | Course No.  | Course Title   | Cr.Hrs   | Grade | Gr.Pts.  |
| The same   | 1201           | Advanced Technical Writing   | 3         | B-              | 8.01    | CoSc - 371  | Fundamentals of Software Engineering   | 3        | B+    | 9.99     |
| 1/6 1/2 Page 1   | Math 275       | Procedured on to Statistics and Probability Theory   | 3         | C+              | 6.99    | CoSc 311    | Programming Fundamentals II  | 3        | B+    | 9.99     |
| Sugratic   | Republic       | No state of the st | 6         |                 | 15      | CoSc 481    | Network and System Administration  | 3        | В     | 9        |
| - Parion   | Service        |  |           |                 |         | CoSe341     | Computer Architecture and Organization   | 3        | C+    | 6.99     |
| 1  | SCIVICE        |  |           |                 | - 4     | INTE 351    | Fundamentals of Database Systems   | 4        | C+    | 9.32     |
| F  | 1              | Ja Haile   |           |                 |         | Math 393    | Discrete Mathematics and Combinatorics   | 3        | C+    | 6.99     |
| f  | 1 * X          | Tedla Haile  Executive Vice Presiden   |           | 100             |         |             |  | 19       |       | 52.28    |
| × 15   | A E            | Exacutive VICE 1   | emester ( | GPA             | 2.50    |             | Se   | mester ( | GPA   | 2.75     |
| 3 / 7  | 7 8            | Ci   | ımulativ  | e GPA           | 3.20    |             | Cur  | mulative | GPA   | 3.05     |
| 2  | -              | Academic Year 2020 (2012 E.C.) Semester II   |           |                 |         |             | Academic Year 2020/2021 (2013 E.C.) Semester I   |          |       |          |
| 1  | Course         | Course Title   | Cr.Hrs    | Grade           | Gr.Pts. | Course No.  | Course Title   | Cr.Hrs   | Grade | Gr.Pts.  |
| 1  |                | Data Structure and Algorithm Analysis  | 4         | С               | 8       | CoSc - 451  | Operating Systems Principles and Design  | 4        | B+    | 13.32    |
| SOUCAT . A   |                | Object Oriented Software Engineering   | 3         | В               | 9       | CoSc - 461  | Advanced Object-Oriented Programming Theory of Algorithm   | 4        | A     | 16       |
|  | Case 343       | Machin Organization and Assembly Language  | JUDALL!   | V.Swi           | 16      | CoSc 303    | Theory of Algorithm  | . 3      | A     | 12       |
|  | will aff       | Onitaria and Theory  | 3         | BAN             | (Pople  | INSY 332    | Internet Programming 1   | 3        | A+    | 12       |
| 15   | Tone !         | 12/2   | 16        | A               | 200     | Math-330    | Advanced Database Systems  | 4        | A+    | 16       |
| TH APPLE   | 1              | 2 7 2 0  |           | 1               | 31.002  | Atath-330   | Numerical Analysis   | 21       | B+    | 79.31    |
| CATTORER   | O.C.           | GEORGE S   | chi ser   | CF M            | 3.23    | 5           | Section  | mester ( | CPA   | 3.78     |
| Let & Sam all  | 100            | 7. C. C.   | inutation | SP.             | 3.09    | 200         |  | mulativ  |       |          |
| from Mach  | 0/             | 7 5 5  | 1         | 8               | 1/      | العالم      | olomon Bekal   | au       |       | n's List |
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| Crest Chanting   | 20             | 5 6 W  | n         |                 | 14      | CI          | hief Register  |          |       |          |
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Training Level: <u>Degree</u>
Faculty: <u>Informatics</u>

Department: Computer Science

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Admission Classification: Regular

Status: Graduate

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Medium of Instruction: English

| Course No.   Course Title   Cr.Hrs Grade Gr.Pts  | 16 CoSe 3054 Rapid Application Development 4 / 19.99 CoSe 551 Compiler Design 4 / 19.99 CoSe 551 Computer Graphics 3 / 19 CoSe-591 Senior Project I 2 / 12 Mgmt 421 Entrepreneurship and Small Business Management 3 Entrepreneurship and Small Business Management 16 Semester GP Cumulative Graphics 12 Cumulative Graphics 12 Cumulative Graphics 12 Cumulative Graphics 14 CoSe 551 Computer Graphics 16 CoSe 551 Computer Graphics 3 CoSe 551 CoSe |
|--|--|
| Course No.         Course Title         Cr.Hrs Grade Gr.Pts.           CoSe - 412         Introduction to Artificial Intelligence         4 A 16           CoSe - 452         Formal Language Theory         3 B+ 9.99           CoSe - 552         Internship         3 B 9           Internation of Software Project Management         3 B 9           Internation of Software Project Management         3 C+ 6.99           Course Title         Cr.Hrs Grade G  | Academic Year 2021/2022 (2014 E.C.) Semester I  r.Pts. Course No. Course Title Cr.Hrs Gri 16 Cose 3054 Rapid Application Development 4  9.99 Cose 551 Compiler Design 4  9 Cose-461 Computer Graphics 3  9 Cose-591 Senior Project I  12 Mgmt 421 Entrepreneurship and Small Business Management 3  16  17  18  Semester GP  Cumulative G  19  19  10  10  11  11  12  13  14  15  16  16  16  17  18  18  18  18  18  18  18  18  18  |
| CoSe - 412   Introduction to Artificial Intelligence   | r.Pts   Course No.   Course Title   Cr.Hrs Grid   16   CoSe 3054   Rapid Application Development   4   7   17   Property   18   Property   18   Property   19   19   CoSe 551   Compiler Design   4   7   19   CoSe 461   Computer Graphics   3   7   10   Mgmt 421   Entrepreneurship and Small Business Management   3   16   16   Property   18   Property   17   Property   19   18   Property   19   19   Property   19   10   Property   19   11   Property   19   12   Property   19   13   Property   19   14   Property   19   15   Property   19   16   Property   19   17   Property   19   18   Property   19   19   Property   19   10   Property   19   11   Property   19   12   Property   19   13   Property   19   14   Property   19   15   Property   19   16   Property   19   17   Property   19   18   Property   19   19   Property   19   10   Property   19   11   Property   19   12   Property   19   13   Property   19   14   Property   19   15   Property   19   16   Property   19   17   Property   19   18   Property   19   19   Property   19   19   Property   19   10   Property   19   11   Property   19   12   Property   19   13   Property   19   14   Property   19   15   Property   19   16   Property   19   17   Property   19   18   Property   19   19   Property   19   19   Property   19   19   Property   19   10   Property   19   11   Property   19   12   Property   19   13   Property   19   14   Property   19   15   Property   19   16   Property   19   17   Property   19   18   Property   19   19   Property   19   19   Property   19   10   Property   19   10   Property   19   11   Property   19   12   Property   19   13   Property   19   14   Property   19   15   Property   19   16   Property   19   16   Property   19   17   Property   19   18   Property   19   19   Property   19   19   Property   19   10   Property   19   11   Property   19   12   Property   19   13   Property   19   14   Property   19   15   Property   19   16   Property  |
| CoSe - 452   Formal Language Theory   3   B+   9.99  | CoSc 3054   Rapid Application Development   4   7   7   7   7   7   7   7   7   7  |
| Cosc   Software Project Management   3   B   9   | 29 CoSc-461 Computer Graphics CoSc-461 Computer Graphics Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 3 Entrepreneurship and Small Business Management 16 Semester GP Cumulative G Computer Graphics Semester GP Cumulative G CoSc-591 Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 3 Entrepreneurship and Small Business Management 5 Cumulative G Cumulative G CoSc-591 Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 5 Cumulative G Cumulative G Cumulative G Cumulative G Cumulative G Cumulative G CoSc-591 Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 5 CoSc-591 Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 5 CoSc-591 Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 5 CoSc-591 Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 5 CoSc-591 Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 5 CoSc-591 Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 6 CoSc-591 Senior Project I 2 A Mgmt 421 Entrepreneurship and Small Business Management 6 CoSc-591 Senior Project I 2 A Mgmt 421 Senior Project I 2 A Mgmt 42 |
| Software Project Management   3 B 9  | 9 CoSc-461 Computer Graphics 9 CoSc-591 Senior Project I 2 Mgmt 421 Entrepreneurship and Small Business Management 3 Entrepreneurship and Small Business Management 16 Semester GP Cumulative G  |
| Internet Programming II   3   A+   12     INTE 440   UNIX System Administration and Support   3   C+   6.99     19   | 9 CoSc-591 Senior Project I 2 1 12 Mgmt 421 Entrepreneurship and Small Business Management 3 E 6.99 16 3.31 Semester GP Cumulative G Cumulative G  |
| NTE 440   UNIX System Administration and Support   3   C+   6.99     19  | 12 Mgmt 421 Entrepreneurship and Small Business Management 3 E 16 52.98 3.31 Semester GP Cumulative G Cumulative G 12 12 12 12 12 12 12 12 12 12 12 12 12  |
| 19   62.98   Semester GPA   3.31   Cumulative GPA   3.26   | 6.99 3.31 3.26  Semester GP Cumulative G  Cumulative G  10  10  10  10  10  10  10  10  10  1  |
| Academic Year 2022 (2014 E.C.) Semester II  Course No. Course Title Cr.Hrs Grade Gr  Cose 502 Comprehensive Degree Exit Exam  Cose 582 Computer Systems and Network Security  Cose 582 Programming Workshop  3 A  Cose 592 Togod Project II  | Semester GP. Cumulative G.  de Gr. Pts.  - 9.99 12   |
| Course No.  Course Title  Course Title  Computer Systems and Network Security  Cose-562  Programming Workshop  Systems  Cose-562  Computer Systems and Network Security  Cose-562  Cose-56 | 3.26 Cumulative G  |
| Course No.  Course Title  Computer Systems and Network Security  Cose-562  Programming Workshop  Cose-562  Computer Systems and Network Security  Cose-562   | de Gr.Pts.   |
| Academic Year 2022 (2014 E.C.) Semester II  Course No.  Course Title  Cor.Hrs Grade Gr Cose 502  Computer Systems and Network Security  Cose 582  Cose 582  Cose 582  Computer Systems and Network Security  Cose 582  C | de Gr.Pts.   |
| Course No.  Course Title  Cr. Hrs Grade Gr Cosc 502  Computer Systems and Network Security  Cosc 582  Computer Systems and Network Security  Cosc 562  Programming Workshop  3 A  Cosc 592  The Grade Gr 3 B+ 9  Cosc 562  Region Project II  3 A  | de Gr.Pts.   |
| Course No.  Course Title  Cr. Hrs Grade Gr Cosc 502  Computer Systems and Network Security  Cosc 582  Computer Systems and Network Security  Cosc 562  Programming Workshop  3 A  Cosc 592  The Grade Gr 3 B+ 9  Cosc 562  Region Project II  3 A  | 9.99   |
| CoSc 502 Computer Systems and Network Security CoSc 582 Computer Systems and Network Security CoSc 562 Programming Workshop CoSc 562 Programming Workshop CoSc 592 T South Project II CoSc 592 T South Project II CoSc 592 T South Project II  | 9.99   |
| CoSc-562 Computer Systems and Network Security  CoSc-562 Programming Workshop  3 A  CoSc-562 Programming Workshop  3 A   | 9,99   |
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|  | Tedla Haile  42.99  3.58  Executive Vice President   |
| Sellester GrA  | 3.58 EXOGULIVE   |
| Cumulative GPA 3   | 8  |
| Major (  | njor GrA3.40   |
| Distinction System: A+,A= Excellent, A-,B+, Very Good, B,B-=Good, C+,C=Fair, C-,D+,D,U=U   | istinction   |