WESTERN WASHINGTON UNIVERSITY Bellingham, Washington

Student No: W01077705 Date of Birth: 25-NOV-1994

Date Issued: 11-SEP-2019

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Record of: Colin Donovan Middleton

SSN: ****3908

Issued To: COLIN MIDDLETON

1414 N ADDISON ST APT 303 SPOKANE, WA 99202-6606

Course Level: Undergraduate

High School: Anacortes High School 26-JUN-2013

Awarded : Bachelor of Science 15-DEC-2017 College : College Science & Engineering Major/Field : Mathematics
Minor(s) : Chemistry

Inst. Honors: University Honors Program

Degree Comments: Degree GPA: 3.51

| SUBJ NO. | COURSE TITLE | CRED (| GRD | PTS R | Term: HNRS 218 | Winter 2015 Women Gender Sxlty Colloquium | 4.00 |
|--------------------|----------------|-----------|------|-------|----------------------|---|-------|
| TRANSFER CREDIT/DE | GREE ACCEPTED: | | | TAI | MATH 303 MATH 312 | Linear Alg & Diff Equations II Proofs in Elementary Analysis | 4.00 |
| AP/CEEB Tests/Coll | 0 | | | | PHYS 162 | Physics with Calculus II | 5.00 |
| Ehrs: 26.00 GPA- | | 0.00 GPA: | 0.00 | | Term: Ehrs: | 17.00 GPA-Hrs: 17.00 QPts: Good Standing | 62.80 |
| INSTITUTION CREDIT | : | | | | Term: | Spring 2015 | |

| | | | | | E |
|-------------|----------------|---------------|-----------|-------|---|
| Term: | Summer 2012 | | | | E |
| MSCI 197 | Rnwble Energy: | Materials Sci | 1.00 S | 0.00 | P |
| Term: Ehrs: | 1.00 GPA-Hrs: | 0.00 QPts: | 0.00 GPA: | 0.00 | T |
| | Good Stand: | ing | | | |
| | | | | N. F. | |

| Term: | Fall 2013 | |
|-------------|-----------------------------|-----------------|
| ECON 206 | Intro to Microeconomics | 4.00 A 16.00 |
| FAIR 210A | World Issues | 4.00 S 0.00 |
| HNRS 103 | Major Cultural Traditions I | 4.00 B 12.00 |
| MATH 138 | Accelerated Calculus | 5.00 B- 13.50 |
| Term: Ehrs: | 17.00 GPA-Hrs: 13.00 QPts: | 41.50 GPA: 3.19 |
| | Good Standing | |

| FAIR 210A | World Issues | 4.00 | S 0.00 |
|-------------|-----------------------------|-------|-----------|
| HNRS 103 | Major Cultural Traditions I | 4.00 | В 12.00 |
| MATH 138 | Accelerated Calculus | 5.00 | B- 13.50 |
| Term: Ehrs: | 17.00 GPA-Hrs: 13.00 QPts: | 41.50 | GPA: 3.19 |
| | Good Standing | | |
| Term: | Winter 2014 | 4 00 | |

| Term: | Winter 2014 | | | | |
|-------------|------------------------------|---|-------|------|-------|
| CHEM 123 | General Chemistry III w/lab | | 4.00 | B- | 10.80 |
| ETEC 280 | Power Mechanics w/lab | | 5.00 | В | 15.00 |
| HNRS 104 | Major Cultural Traditions II | | 4.00 | B+ | 13.20 |
| MATH 224 | Multivariable Calc & Geomtry | I | 5.00 | B+ | 16.50 |
| Term: Ehrs: | 18.00 GPA-Hrs: 18.00 QPts: | | 55.50 | GPA: | 3.08 |
| | Good Standing | | | | |
| | | | | | |

| Term: | Spring 2014 | | | |
|-------------|-------------------------------|-------|------|-------|
| CSCI 140 | Prog Fundl in C++ | 4.00 | A | 16.00 |
| ECON 207 | Intro to Macroeconomics | 4.00 | C | 8.00 |
| ETEC 112 | Intro. Eng. Design Graphics | 3.00 | A | 12.00 |
| HNRS 105 | Major Cultural Traditions III | 4.00 | B+ | 13.20 |
| MATH 225 | Multivrble Calc & Geomtry II | 4.00 | C- | 6.80 |
| Term: Ehrs: | 19.00 GPA-Hrs: 19.00 QPts: | 56.00 | GPA: | 2.94 |

| | Good Standing | | |
|----------|---------------------------------|--------|-------|
| Term: | Fall 2014 | | |
| CSCI 141 | Computer Programming I W/Lab | 4.00 A | 16.00 |
| MATH 203 | Linear Alg & Diff Equations | 4.00 A | 16.00 |
| ****** | ****** CONTINUED ON NEXT COLUMN | ***** | ***** |

| SUB | J NO. | | COURSE | TITLE | | CRED | GRD | PTS | R |
|-----|--------------------------------------|-----------------------------------|-----------|----------------------------|-------------------------|-----------------------|-----|------------------------|---|
| MAT | titution In 302 S 161 m: Ehrs: | Intro Pr Physics : 17.00 GF | coofs via | a Numbe Lculus L7.00 | er Theory I QPts: | 4.00 5.00 65.30 | A- | 14.80 18.50 3.84 | |
| Te | rm: | Winter | 2015 | | | | | | |

| Term: | Winter 2015 | | | |
|-------------|--------------------------------|-------|------|-------|
| HNRS 218 | Women Gender Sxlty Colloquium | 4.00 | В | 12.00 |
| MATH 303 | Linear Alg & Diff Equations II | 4.00 | A | 16.00 |
| MATH 312 | Proofs in Elementary Analysis | 4.00 | A- | 14.80 |
| PHYS 162 | Physics with Calculus II | 5.00 | A | 20.00 |
| Term: Ehrs: | 17.00 GPA-Hrs: 17.00 QPts: | 62.80 | GPA: | 3.69 |
| | Good Standing | | | |
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| m committee | |
|-------------|--|
| ENGR 170 | Intro to Materials Sci and Eng 4.00 B+ 13.20 |
| ENGR 214 | Statics 4.00 B+ 13.20 |
| PHYS 163 | Physics with Calculus III 5.00 A 20.00 |
| Term: Ehrs: | 13.00 GPA-Hrs: 13.00 QPts: 46.40 GPA: 3.56 |
| | Good Standing |
| THE RESERVE | |
| Term: | Fall 2015 |
| | |

| Term: | Fall 2015 | | | |
|-------------|--------------------------------|-------|------|-------|
| MFGE 231 | Intro Manufacturing Processes | 4.00 | A | 16.00 |
| MFGE 261 | Introduction to CAD | 4.00 | A- | 14.80 |
| PCE 371 | Intro to Plastics Mat's & Proc | 5.00 | A- | 18.50 |
| PHYS 350 | Engineering Thermodynamics | 3.00 | A | 12.00 |
| Term: Ehrs: | 16.00 GPA-Hrs: 16.00 QPts: | 61.30 | GPA: | 3.83 |
| | Good Standing | | | |
| | | | | |

| Term: | Winter 2016 | | | |
|-------------|--------------------------------|-------|------|-------|
| M/CS 435 | Nonlinear Optimization | 4.00 | B+ | 13.20 |
| MATH 341 | Probability/Statistical Infrnc | 4.00 | A | 16.00 |
| MGMT 311 | Intro to Mgmt & Organztl Behav | 4.00 | B+ | 13.20 |
| PCE 372 | Intro to Composite Mat's&Proc | 5.00 | A- | 18.50 |
| Term: Ehrs: | 17.00 GPA-Hrs: 17.00 QPts: | 60.90 | GPA: | 3.58 |
| | Good Standing | | | |
| | | | | |

| Term: | | Spring 2016 | | | |
|---------------|-------|------------------------------------|-----------|--|--|
| ENGR | 225 | Mechanics of Materials 5.00 A | A 20.00 | | |
| MATH | 438 | Intro to Complex Variables 4.00 F | B- 10.80 | | |
| PE | 175 | Beginning Windsurfing 1.00 S | 0.00 | | |
| VHCL | 261 | Vehicle Systems II 5.00 E | B+ 16.50 | | |
| Term | Ehrs: | 15.00 GPA-Hrs: 14.00 QPts: 47.30 G | GPA: 3.37 | | |
| Good Standing | | | | | |

| Term: | | Fall 2016 | | | | |
|-------|---------------|----------------------------|-------|------|-------|--|
| | CHEM 461 | Physical Chemistry | 4.00 | A | 16.00 | |
| | GEOL 101 | Introduction to Geology | 4.00 | A | 16.00 | |
| | M/CS 335 | Linear Optimization | 4.00 | B- | 10.80 | |
| | MATH 451 | Number Theory | 4.00 | C | 8.00 | |
| | Term: Ehrs: | 16.00 GPA-Hrs: 16.00 QPts: | 50.80 | GPA: | 3.17 | |
| | Good Standing | | | | | |

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Level: Undergraduate

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

| Institution Info | rmation | continued: |
|------------------|---------|------------|
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Winter 2017

Term:

| CHEM 462 | Physical Chemistry | 4.00 | A | 16.00 | |
|---------------|----------------------------|-------|------|-------|--|
| HNRS 356 | Sem: Writing About Animals | 3.00 | A- | 11.10 | |
| MATH 226 | Limits & Infinite Series | 4.00 | A | 16.00 | |
| MATH 304 | Linear Algebra | 4.00 | A - | 14.80 | |
| Term: Ehrs: | 15.00 GPA-Hrs: 15.00 QPts: | 57.90 | GPA: | 3.86 | |
| Good Standing | | | | | |

Spring 2017 CHEM 463 Physical Chemistry 3.00 A-ENRG 397D Energy Symposium 1.00 S ENVS 204 Human Geography 4.00 A-

14.80 HNRS 359 Whatâ%"s Up With White America? 3.00 A 12.00 Intro to Abstract Algebra 4.00 A MATH 401 Term: Ehrs: 15.00 GPA-Hrs: 14.00 QPts: 53.90 GPA: 3.85

Good Standing

Term: Fall 2017 Analytical Chemistry w/lab 5.00 A-**CHEM 333** 18.50 HNRS 490 Senior Project 2.00 S 0.00 16.00 MATH 410 Mathematical Modeling 4.00 A Fourier Series/Diffntl Eqns MATH 430 16.00 4.00 A

Ehrs: 15.00 GPA-Hrs: 13.00 QPts: 3.88 50.50 GPA: Term: Good Standing ****** TRANSCRIPT TOTALS

Earned Hrs GPA Hrs Points GPA TOTAL INSTITUTION 211.00 202.00 710.10 3.51

0.00 TOTAL TRANSFER 26.00 0.00 0.00 3.51 OVERALL 237.00 202.00 710.10

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

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David S. Brunnemer, Registrar