



## Outbound Student Exchange Cover Sheet

### yearlong exchange starting 2020 T1

Take this form to UNSW Exchange when you are ready to have your application accepted.

|                      |                           |                    |                                      |                             |
|----------------------|---------------------------|--------------------|--------------------------------------|-----------------------------|
| <b>name</b>          | Keegan                    | Gyoery             | <b>UNSW student ID</b>               | 5197058                     |
| <b>award</b>         | Bachelor Degree (Pass)    | <b>program</b>     | 3781                                 | Adv Maths (Hons) / Comp Sci |
| <b>major</b>         | Pure Mathematics Major    |                    |                                      |                             |
| <b>home faculty</b>  | Science                   |                    | <b>co-faculty</b>                    | Engineering                 |
| <b>study focus</b>   | Science                   |                    | <b>graduating at end of exchange</b> | false                       |
| <b>WAM</b>           | 88.75                     | <b>study stage</b> | 4th year                             | <b>fails</b> 0              |
| <b>stay interval</b> | yearlong starting 2020 T1 |                    | <b>submitted on</b>                  | 05/05/2019                  |
| <b>citizenship</b>   | Australia                 |                    | <b>graduate level</b>                | undergraduate               |
|                      |                           |                    | <b>international student</b>         | false                       |

#### foreign residential rights

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### Exchange partner preferences

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| <b>first</b>  | University of Michigan                     |
| <b>second</b> | University of Illinois at Urbana-Champaign |
| <b>third</b>  | Purdue University                          |
| <b>fourth</b> | University of California Berkeley          |
| <b>fifth</b>  | University of Maryland                     |
| <b>sixth</b>  | University of California San Diego         |

## Initial study plans

### University of Michigan

"MATH562: Continuous Optimisation Metho..."

⇒ "MATH3161: Optimization"

"MATH558: Applied Nonlinear Dynamics"

⇒ "MATH3201: Dynamical Systems and Chaos"

"MATH490: Introduction to Topology" & "MATH433: Introduction to Differential..."

⇒ "MATH3701: Higher Topology and Different..."

"EECS492: Introduction to Artificial I..."

⇒ "COMP3411: Artificial Intelligence"

"EECS496: Major Design Experience Prof..."

⇒ "COMP4920: Management and Ethics"

"EECS497: EECS Major Design Projects"

⇒ "COMP3900: Computer Science Project"

"MATH395: Honours Analysis 1"

⇒ "MATH3611: Higher Analysis"

"MATH493: Honours Algebra 1"

⇒ "MATH3711: Higher Algebra"

### University of Illinois at Urbana-Champaign

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| "MATH506: Group Representation Theory" & "MATH512: Modern Algebraic Geometry" |
| ⇒ "MATH3511: Transformations, Groups and G..."                                |
| "MATH489: Dynamics and Differential Eq..."                                    |
| ⇒ "MATH3201: Dynamical Systems and Chaos"                                     |
| "MATH424: Honors Real Analysis"   |
| ⇒ "MATH3611: Higher Analysis"   |
| "CS440: Artificial Intelligence"  |
| ⇒ "COMP3411: Artificial Intelligence"   |
| "CS210: Ethical and Professional Issue..."                                    |
| ⇒ "COMP4920: Management and Ethics"   |
| "MATH427: Honours Abstract Algebra"   |
| ⇒ "MATH3711: Higher Algebra"  |
| "MATH484: Non Linear Programming"   |
| ⇒ "MATH3161: Optimization"  |
| "CS492: Senior Project 1" & "CS494: Senior Project 2"                         |
| ⇒ "COMP3900: Computer Science Project"  |

### Purdue University

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| "MATH42100: Linear Programming and Opt..."     |
| ⇒ "MATH3161: Optimization"                     |
| "MATH33300: Chaotic Dynamical Systems"         |
| ⇒ "MATH3201: Dynamical Systems and Chaos"      |
| "MATH56200: Introduction to Differenti..."     |
| ⇒ "MATH3701: Higher Topology and Different..." |
| "MATH54400: Real Analysis and Measure ..."     |
| ⇒ "MATH3611: Higher Analysis"                  |
| "MATH55300: Introduction to Abstract A..."     |
| ⇒ "MATH3711: Higher Algebra"                   |
| "CS47100: Introduction to Artificial I..."     |
| ⇒ "COMP3411: Artificial Intelligence"          |
| "CS40700: Software Engineering Senior ..."     |
| ⇒ "COMP3900: Computer Science Project"         |
| "CS35200: Compilers: Principles and Pr..."     |
| ⇒ "COMP3131: Programming Languages and Com..." |

## University of California Berkeley

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| "MATH170: Mathematical Methods for Opt..."                                  |
| ⇒ "MATH3161: Optimization"  |
| "MATH219: Dynamical Systems"  |
| ⇒ "MATH3201: Dynamical Systems and Chaos"                                   |
| "MATH250A: Groups, Rings, Fields" & "MATH256A-MATH256B: Algebraic Geometry" |
| ⇒ "MATH3511: Transformations, Groups and G..."                              |
| "MATH274: Topics in Algebra"  |
| ⇒ "MATH3711: Higher Algebra"  |
| "MATH278: Topics in Analysis"   |
| ⇒ "MATH3611: Higher Analysis"   |
| "MATH276: Topics in Topology" & "MATH277: Topics in Differential Geome..."  |
| ⇒ "MATH3701: Higher Topology and Different..."                              |
| "CS188: Introduction to Artificial Int..."                                  |
| ⇒ "COMP3411: Artificial Intelligence"                                       |
| "CS195: Social Implications of Compute..."                                  |
| ⇒ "COMP4920: Management and Ethics"   |

## University of Maryland

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| "MATH403: Introduction to Abstract Alg..."                                       |
| ⇒ "MATH3711: Higher Algebra"   |
| "MATH432: Introduction to Topology" & "MATH436: Differential Geometry of Cur..." |
| ⇒ "MATH3701: Higher Topology and Different..."                                   |
| "MATH411: Advanced Calculus 2"   |
| ⇒ "MATH3611: Higher Analysis"  |
| "CMSC421: Introduction to Artificial I..."                                       |
| ⇒ "COMP3411: Artificial Intelligence"  |
| "CMSC430: Introduction to Compilers"   |
| ⇒ "COMP3131: Programming Languages and Com..."                                   |
| "MATH462: Partial Differential Equatio..."                                       |
| ⇒ "MATH3121: Mathematical Methods and Part..."                                   |
| "CMSC426: Computer Vision"   |
| ⇒ "COMP9517: Computer Vision"  |
| "MATH402: Algebraic Structures"  |
| ⇒ "MATH3511: Transformations, Groups and G..."                                   |

## University of California San Diego

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| "MATH150A: Differential Geometry" & "MATH190: Introduction to Topology" |
| ⇒ "MATH3701: Higher Topology and Different..."                          |
| "MATH173A: Optimisation Methods for Da..."                              |
| ⇒ "MATH3161: Optimization"  |
| "MATH142A: Introduction to Analysis 1"                                  |
| ⇒ "MATH3611: Higher Analysis"   |
| "MATH103A: Modern Algebra 1"  |
| ⇒ "MATH3711: Higher Algebra"  |
| "CSE150: Introduction to Artificial In..."                              |
| ⇒ "COMP3411: Artificial Intelligence"                                   |
| "CSE131: Compiler Construction"   |
| ⇒ "COMP3131: Programming Languages and Com..."                          |
| "CSE152: Introduction to Computer Visi..."                              |
| ⇒ "COMP9517: Computer Vision"   |
| "CSE219: Design at Large"   |
| ⇒ "COMP4920: Management and Ethics"                                     |

## Other forms

You must provide the items listed below with this cover sheet to UNSW Study Abroad & Exchange.

- ☐ Original copy of your application fee receipt (undergraduate Engineering students and students enrolled in a degree with a compulsory one year of exchange are exempt).

## Enquiries

UNSW Study Abroad & Exchange Office

**email** [exchange@unsw.edu.au](mailto:exchange@unsw.edu.au)

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**address** Room G30, Ground Floor West Wing, John Goodsell  
Building (F20), UNSW Kensington Campus

STUDY ABROAD & EXCHANGE

UNSW SYDNEY

NSW 2052 AUSTRALIA

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