**Student Advising Worksheet – Clarkson University**

 STUDENT:  GRAD DATE:

 STUDENT ID #:  PHONE #:

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| **Math Option Elective Courses : (choose 2)** MA311 - Abstract algebra (pre-req: MA211, C1, Odd Fall) MA312 - Intro to different. Geometry (pre-req: MA231&MA339, C1) MA313 - Abstract linear algebra (pre-req: MA211 & MA339, C1, Even Fall) MA314 - Number theory and its applications (pre-req: MA211, C1, Odd Spr) MA322 - Advanced calculus 2 (pre-req: MA321, C1, Even Spr) **RECOMMENDED MA/STAT ELECTIVE COURSES:**  MA315 Intro to complex networks (pre-req: MA132, Fall) MA331 - Fourier Series&Bound. Value (pre-req: MA231&MA232, Spr) MA332 - Intermediate Differ. Eqns (pre-req: MA231&MA232, Odd Spr) MA363 - Mathematical Modeling (pre-req:MA231,MA232&PH132, Spr, C2)  MA377 - Numerical methods (MA230 or MA231, Fall, C2) STAT381 - Probability (pre-req: MA231 or MA230 (MA211 recommended)STAT382 - Mathematical Statistics (pre-req: MA/STAT381) STAT383 – Probability and Statistics (pre-req: MA132)STAT384 - Advanced Applied Statistics (MA231 & Stat 383) \*Students can take both MA451 and MA453 (2 credit each for MA major), but only one is required. Students with a Pre-teaching minor can take up to 3 credits each.  |
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| Notes: |

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 MAJOR: **Mathematics (Math Option)** OTHER INFO:

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| **KNOWLEDGE AREAS & COMMUNICATION POINTS** |
| **KNOWLEDGE AREA** | **KA Course** | **COMM Course** | **Points (6)** |
| **1**  |  |  | **MA211** | **C2** |
| **2** |  |  | **MA321** | **C1** |
| **3** |  |  |  | **C1** |
| **4** |  |  |  | **C1** |
| **5** | **UNIVERSITY Course ( / )**  |  |  |  |
| Students must complete **at least 5 knowledge area courses** that cover 4 of the following 6 knowledge areas: * Contemporary & Global Issues (CGI)
* Cultures & Society (CSO)
* Imaginative Arts (IA)
* Science, Technology & Society (STS)
* Economics & Organizations (EC)
* Individual & Group Behavior (IG)

One of these five courses must be University Course that has two knowledge area designators (UNIV)Students must complete a total of **at least 6 communication points**. |

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|  | **COMMON EXPERIENCE COURSES**  |
| **Title**  | **Course** | **CR** | **Term** | **GR** | **Notes** |
| The Clarkson Seminar | UNIV190 | 3 |  |  |  |
| Computer Science  | CS141  | 4 |  |  |  |
| Physics | PH131 | 4 |  |  |  |
| Physics | PH132 | 4 |  |  |  |
| Science (PH, CM or BY) |  | 3 |  |  |  |
| *First Year Seminar\*\**  | *FY100* |  |  |  | *1 credit* |

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|  | **Free Electives**  |
| **Title**  | **Course** | **CR** | **Term** | **Grade** | **Notes** |
| Free Elective  |  |  |  |  |  |
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| Knowledge Area |  | 3 |  |  |  |
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| Knowledge Area  |  | 3 |  |  |  |
| Knowledge Area |  | 3 |  |  |  |
| Knowledge /UNIV Course |  | 3 |  |  |  |

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|  |  | **EXTRA COURSEWORK (IF ANY)** |
|  **Course** | **CR** | **Term** | **GR** | **Notes** | **Course** | **CR** | **Term** | **GR** | **Notes** |
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 GPA: MINOR(S):

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|  | **Mathematics**  |
| **Title** | **Course** | **CR** | **Term** | **GR** | **Notes** |
| Calculus 1 | MA 131 | 3 |  |  |  |
| Calculus II | MA 132 | 3 |  |  |  |
| Intro to Mathematical Modeling | MA 200 | 3 |  |  |  |
| Discrete Mathematics and Proof  | MA 211 | 3 |  |  | C2 |
| Calculus III  | MA 231 | 3 |  |  |  |
| Elementary Differential Equations | MA 232 | 3 |  |  |  |
| Advanced Calculus 1 | MA 321 | 3 |  |  | C1 |
| Applied Linear Algebra | MA 339 | 3 |  |  |  |
| Professional Experience |  MA 499 | 0 |  |  |  |
| Intro to math research or instruction\* | MA 451/ MA453 | 1-3 |  |  |  |
| Probability and Statistics | STAT 383 | 3 |  |  |  |
| Math Option Elective 1 |  | 3 |  |  |  |
| Math Option Elective 2 |  | 3 |  |  |  |
| MA/STAT Elect – see list below |  | 3 |  |  |  |
| MA/STAT Elect – see list below |  |  |  |  |  |
| MA/STAT Elect – see list below |  | 3 |  |  |  |