**Student Advising Worksheet – Clarkson University**

STUDENT:  GRAD DATE:

STUDENT ID #:  PHONE #:

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

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| **KNOWLEDGE AREAS & COMMUNICATION POINTS** | | | | |
| **KNOWLEDGE AREA** | | **KA Course** | **COMM Course** | **Points (6)** |
| **1** |  |  | **MA211** | **C2** |
| **2** |  |  | **MA 321** | **C1** |
| **3** |  |  |  |  |
| **4** |  |  |  |  |
| **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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| Knowledge Area |  | 3 |  |  |  |
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| Knowledge Area |  | 3 |  |  |  |
| Knowledge /UNIV Course |  | 3 |  |  |  |

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|  | **Free Electives** | | | | | |
| **Title** | | **Course** | **CR** | **Term** | **Grade** | **Notes** |
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|  |  | **EXTRA COURSEWORK (IF ANY)** | | | | | | | | |
| **Course** | **CR** | | **Term** | **GR** | **Notes** | **Course** | **CR** | **Term** | **GR** | **Notes** |
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| **STAT Option Courses :**  STAT381 - Probability (pre-req: MA231 or MA230 (MA211 recommended)  STAT382 - Mathematical Statistics (pre-req: MA/STAT381)  STAT384 - Advanced Applied Statistics (MA231 & Stat 383)  STAT488 - Statistics projects (1-3 credits, consent of the instructor, C2)    **RECOMMENDED MATH ELECTIVE COURSES:**  STAT383\*\* – Probability and Statistics (pre-req: MA132)  STAT385 - Probability and Statistics (1-3 credits, pre-req: STAT383 or 381)  STAT389\*\* – Probability and Statistics with multivar. ana(pre-req: MA231)  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)    \*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.  \*\* Cannot receive credits for both STAT383 and STAT389. |
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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 |  |  |  |
| STAT Option Course 1 | |  | 3 |  |  |  |
| STAT Option Course 2 | |  | 3 |  |  |  |
| STAT Option Course 3 | |  | 3 |  |  |  |
| STAT Option Course 4 | |  | 3 |  |  |  |
| Math Elective – see list below | |  |  |  |  |  |