**Student Advising Worksheet – Clarkson University**

STUDENT:  GRAD DATE:

STUDENT ID #:  PHONE #:

|  |
| --- |
| **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. |
| |  | | --- | | Notes: | |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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**. | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **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* |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Free Electives** | | | | | |
| **Title** | | **Course** | **CR** | **Term** | **Grade** | **Notes** |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |
| Free Elective | |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Knowledge Area |  | 3 |  |  |  |
| Knowledge Area |  | 3 |  |  |  |
| Knowledge Area |  | 3 |  |  |  |
| Knowledge Area |  | 3 |  |  |  |
| Knowledge /UNIV Course |  | 3 |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **EXTRA COURSEWORK (IF ANY)** | | | | | | | | |
| **Course** | **CR** | | **Term** | **GR** | **Notes** | **Course** | **CR** | **Term** | **GR** | **Notes** |
|  |  | |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |

GPA: MINOR(S):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **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 |  |  |  |