Student Name: _____   ID: _____

Minor in Computer Science Cybersecurity
Requirement Tracking Sheet

Required (Core) Courses			
Course Number	Course Title	Credits	Grade Earned Semester Taken
CIS 190 ECE 160	Introduction to Procedural Programming **or** Foundations of Computer Engineering I	4	
CIS 360	Algorithms & Data Structures	4	
CIS 370	Design of Operating Systems	4	

Elective Courses – choose three			
CIS 442 ECE 487	Digital Forensics **or** Computer Forensics	3	
CIS 443	Applied Cryptography	3	
CIS 444	Cyber Defense and Operations	3	
CIS 446	Secure Software Development	3	
CIS 447 ECE 489	Network Security and Data Assurance **or** Network Security	3	
CIS 477	Computer and Information System Security	3	

Curriculum Summary	
Total number of courses required for the Minor	6
Total credit hours required for Minor	21

Notes:
- Computer Science majors are not eligible for the Minor in Computer Science Cybersecurity.
- Computer Engineering majors pursuing the Minor in Computer Science Cybersecurity
  - may substitute ECE 161 and ECE 264 for CIS 360
  - may substitute ECE 370 for CIS 370
  - must take CIS 400-level electives
- Students who already took a programming course other than CIS 190 or ECE 160 should have the Chairperson evaluate course equivalency with CIS 190.
- All courses must be completed with a grade of C or better.
- At least half of the credits required for the minor must be taken at UMass Dartmouth.