**2020 – 2021 Intelligence Pre-Requisite Chart**

CS 1301

Intro to Computing

CS 1331

Object-Oriented Programming

CS 2340

Objects & Design

PSYC 1101

General Psychology

CS 1332

Data Structures & Algorithms

CS 2110

Comp Organization & Programming

CS 3240 \*

Languages & Computation

CS 3630 \*

Intro to Perception & Robotics

CS 4476 \*

Intro Computer Vision

CS 4510 \*

Automata & Complexity Theory

CS 3600 Introduction to AI

CS 2050

Intro Discrete Math for CS

Math 1551

Differential Calculus

Math 1552

Integral Calculus

Math 1554

Linear Algebra

Math 3012

Combinatorics

CS 3510

Design & Analysis of Algorithms

Math 2550

Intro Multivariable Calculus

OR

CS 4641 \*

Machine Learning

PSYC 3040 \*

Sensation and Perception

CS 4635 \*

Knowledge-based AI

CS 4731 \*

Game AI

CS 4650 \*

Natural Language

CS 4649 \*

Robot Intell Planning

Prob/Stat Requirement

CS 4646 \*

Machine Learning

For Trading