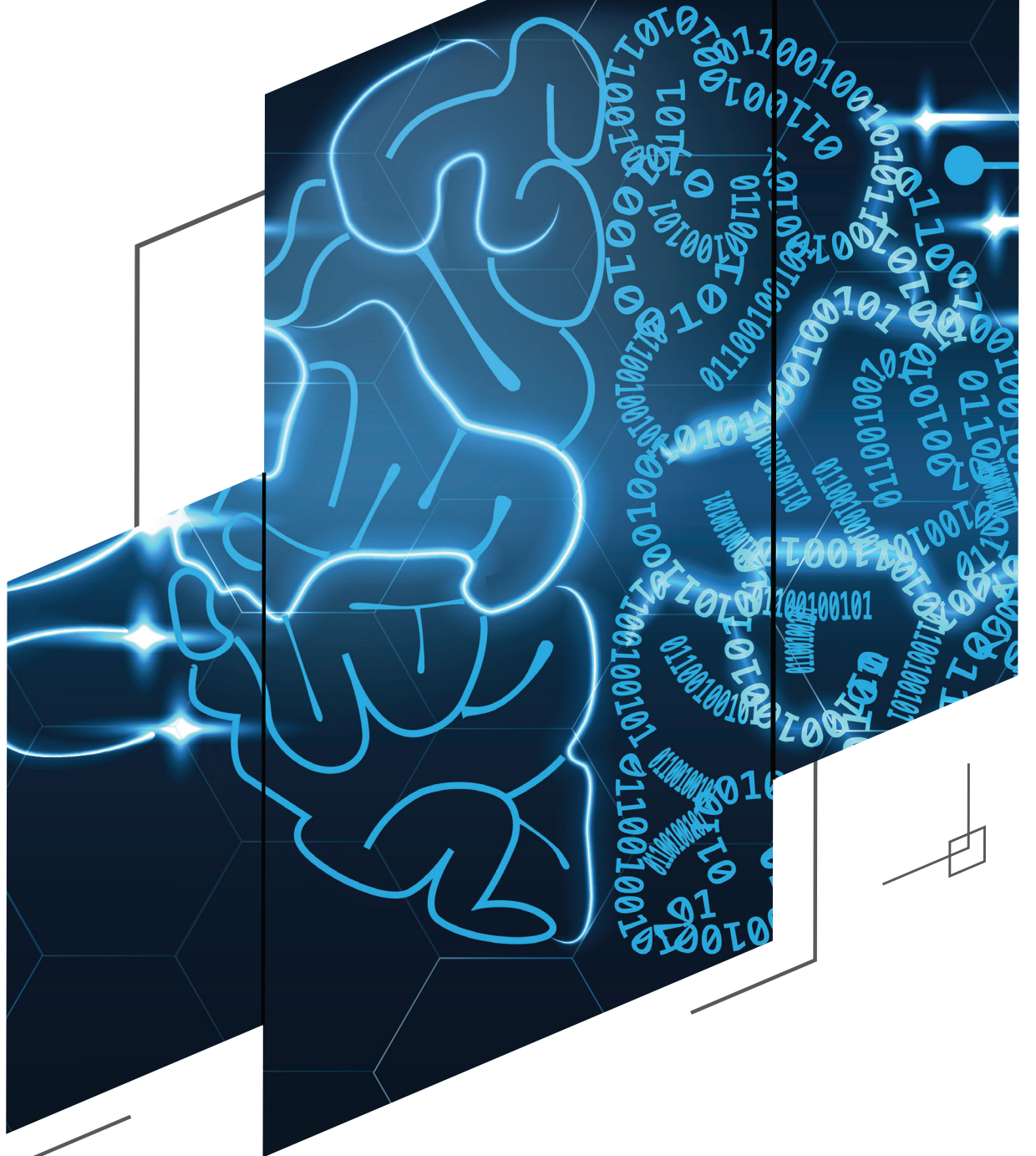




Digital Lync

EDUCATION - INNOVATION - INCUBATION



ARTIFICIAL INTELLIGENCE

www.digital-lync.com

COURSE CURRICULUM

✔ Choice 1 ----- 75 Hours

Prerequisites

Formal Mathematics Background including

Linear algebra

Probability

Calculus

Mathematical Logic

✔ Choice 2----- 25 Hours

Assumptions / prerequisites

Data Science Course including deep Learning

Has been Completed

Insightful & OK in the following areas of Mathematics

Linear algebra

Probability

Calculus

Mathematical Logic

✓ For Choice 2 :

Introduction & overview-----	1 Hour
Intelligence -- formal definition-----	30 minutes
Agents & Agent Based Modeling-----	1 Hour
Convexity-----	2 Hours
Ideas of Combinatorial optimization ---	1 Hour
Ideas of Convex optimization-----	1 Hour
Logic Programming-----	5 Hours
Heuristic search Techniques -----	5 Hours
* Different types of search	
* constraint satisfaction	
* Local search	
Simulated annealing	
Genetic Algorithms-----	4 Hours
Probabilistic Reasoning-----	4 Hours
Reinforcement Learning-----	3 Hours

✓ For Choice 1:

DS course + choice 2 = 60 + 25

optimized to ----- 75 hours



HEADQUARTERS

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