

Bachelor of Science in Applied Artificial Intelligence

Advanced AI

This track emphasizes cutting-edge artificial intelligence techniques, including computational intelligence, machine learning, deep learning, and natural language processing. Students gain expertise in designing and training sophisticated models that drive automation, intelligent systems, and generative applications. With AI increasingly transforming sectors such as healthcare, finance, cybersecurity, autonomous systems, and user experiences, graduates are well-positioned for innovative roles in AI engineering and applied research.

General Education	Major Requirements
AREA I – Institutional Priority 4 HOURS <i>Area I Perspective Elective</i> (ITEC 1001 recommended)	Field of Study 18 HOURS PSYC 1101* Intro to Psychology CSCI 1301** Computer Science I CSCI 1302 Computer Science II MATH 1401*** Intro to Statistics CSCI 2207 Ethics in CS ITEC 2215 Introduction to Information Technology
AREA M – Mathematics & Quantitative Skills 3 HOURS MATH 1111, 1112, 1113, or 1251 <i>*MATH 1001/Learning Support may be required based on test scores</i>	
AREA P – Political Science & U.S. History 6 HOURS *POLS 1101 or 1101H **HIST 2111, 2111H, 2112, or 2112H <i>*Will satisfy the state requirements in U.S. & Georgia Constitution</i> <i>**Will satisfy the state requirements in U.S. and Georgia History</i>	Upper-Level AI Core Requirements 30 HOURS CSCI 3400 Intro to AI CSCI 3235 Human-Computer Interaction CSCI 3410 AI and Cybersecurity CSCI 4461 AI Implications and Applications CSCI 4462 Digital Transformation and AI CSCI 4454 Human-Robot Interaction CSCI 4452 HCI Methods, Design and Evaluation ITEC 3300 Project Management PSYC 3601 Cognitive Psychology CSCI 4750 Senior Capstone
AREA A – Arts, Humanities, & Ethics 6 HOURS <i>Literature Based Elective</i> Choose one: ENGL 2111, 2112, 2121, 2122, 2131, 2132, 2141, or 2142 <i>Area A Elective</i> COMM 1110 or COMM 1100	
AREA C – Communicating in Writing 6 HOURS ENGL 1101 ENGL 1102 <i>*ENGL 1101 may require Learning Support based on test scores</i>	Focus Area: Advanced AI 12 HOURS CSCI 4250 Computational Intelligence (AI) CSCI 4463 Machine Learning CSCI 4464 Deep Learning CSCI 4465 Natural Language Processing
AREA T- Technology, Mathematics, & Sciences 11 HOURS Choose one: MATH 1401, 1251, 1501, 2252, 2253, 2260, 2270 Choose two: ASTR 1010K, 1020K, BIOL 1001K, 1002K, 2107K, 2108K, 1101K(eCore) * CHEM 1151K, 1152K, 1211K, 1212K GEOL 1121K(eCore) PHYS 1011K, 1012K, 1111K, 1112K, 2211K, 2212K <i>*Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108</i>	Electives 18 HOURS Approved upper-level CSCI, DATA, FTA, ITEC, or MATH courses, or PLA credits. Completion of Calculus I and II is required for computer scientist positions at the Air Force Base.
AREA S- Social Sciences 6 HOURS Choose two: ANTH 1102, ECON 2105 , 2106 HIST 1111, 1112, 1190, 2111, 2112 GEOG 1101 POLS 2101, 2201, 2301, 2401 PSYC 1101 SOCI 1101, 1160	Field of Study Notes: *If PSYC 1101 was satisfied in the Core IMPACTS, students must complete an additional 3 credit hour elective from the Social Sciences area of the Core IMPACTS. **If CSCI 1301 was satisfied in the Core IMPACTS, students must complete an additional 3 credit hour elective from the Technology, Math, & Science Option area of the Core IMPACTS. ***If MATH 1401 was satisfied in the Core IMPACTS, students must complete an additional 3 credit hour elective from the Mathematics & Quantitative Skills area of the Core IMPACTS.