University of Idaho
Faculty Senate

University of Idaho
2025 – 2026 Faculty Senate Agenda

Meeting #19

Tuesday, February 3, 2026, at 3:30 pm
Zoom Only

I. Call to Order

II. Approval of Minutes (VOTE)
- Minutes of the 2025-2026 Faculty Senate Meeting # 18 (January 20, 2026) **Attach. #1**

III. Chair's Report

IV. Provost's Report

V. Invited Guest Presentations
- Health Benefit Review Process and 2026 Update – Brandi Terwilliger, Director of Human Resources.

VI. Committee Voting Items and Reports
- UCC 620 – BS in Artificial Intelligence; Steve Wang, College of Engineering. **Attach. #2**
- UCC 621 – Artificial Intelligence Minor; Steve Wang, College of Engineering. **Attach. #3**

VII. Other Policy Business
- None

VIII. Other Announcements and Communications
- None

IX. New Concerns or Issues

X. Adjournment

Attachments

- **Attach. #1** Minutes of the 2025-2026 Faculty Senate Meeting #18 (January 20, 2026)

- **Attach. #2** UCC 620
- **Attach. #3** UCC 621

Attach. #1

University of Idaho
Faculty Senate

2025 – 2026 Faculty Senate – Pending Approval
Meeting # 18
Tuesday, January 20, 2026, 3:30 pm – 5:00 pm PST
Zoom only

Present: Barannyk, Borrelli, Erickson, Hagen, Haltinner (vice chair), Hu, Kenyon, Kolias, Lawrence (provost, w/o vote), Long, Maas, McKenna, Miller, Murphy (chair), Remy, Rinker, Rivera, Roe, Shook, Strickland, Stuen, Thorne, Tohaneanu, Vella (faculty secretary, w/o vote), Victoravich

Absent: Harrison (excused)

Call to Order
Chair Murphy called the meeting to order at 3:30 p.m.

The Chair requested to amend the agenda by consent to move the Provost's report to the end of the agenda and move UCC 413, UCC 460, FSH 3230 and FSH 4130 after the Chair's report. No objections were raised, and the agenda was adopted as amended.

Approval of Minutes (vote)
- The minutes of the 2025-2026 Faculty Senate Meeting #17 (January 13, 2026) were approved as circulated.

Chair's report
- The chair acknowledged and welcomed Eric Stuen, professor of economics, who is replacing a senator on sabbatical (Ramirez).
- The Martin Luther King Art and Writing competition is open, with submissions due February 20.
- University excellence awards are open with nominations due by Feb. 6.

Committee Voting Items and Reports
- UCC 413 – Business Information and Analytics (BSBUS) - Tracey Anderson, College of Business and Economics.
  This is a revision of the learning outcomes and a change of CIP code to better align with the degree and expectation of employers.
  No questions were raised.
  Vote: The vote was initially reported as 23/24 yes and 1/24 no. Following a post-meeting review of voting records, it was determined that one non-senator had voted. This vote was removed, and the corrected tally was 22/23 yes; 1/23 no. Motion approved.

- UCC 460. Forest Nursery Management and Technology (AS) - Charles Goebel, College of Natural Resources.
  This is an addition of a 1-credit course that was left off the catalog through an administrative error when this program was created several years ago.
  No questions were raised.

Vote: The vote was initially reported as 24/24 yes and 0/24 no. Corrected vote: 23/23 yes; 0/23 no. Motion approved.

Other Policy Business

- FSH 3230 – Research Misconduct – Kay Dee Holmes, Office of Research Assurance.
  This was a complete rewrite of the policy to ensure compliance with federal regulations that changed in 2024. This was approved as an interim policy by the President. This policy applies to all research conducted at the university.
  Motion (Long, Shook) to approve FSH 3230.
  Discussion
    - There was a question about whether the responsibility to appoint the committee at the final stage of the process has changed from the Provost to the Deciding Official. It was clarified that this has not changed from the original policy. Another senator asked whether the use of AI for grants and papers could be considered misconduct under this policy. This policy allows flexibility if the University or a federal agency decides that the use of AI was inappropriate; however, the policy does not specifically address AI.

  Vote: The vote was initially recorded as 23/24 yes and 1/24 no. Corrected vote: 22/23 yes; 1/23 no. Motion approved.

- FSH 4130 Standard Course Numbers – Jerry McMurtry, Dean of the College of Graduate Studies.
  This is an addition of a new standard course number, 6990 Non-dissertation Research, for non-dissertation doctoral programs across campus (e.g., Doctor of Anatomical Sciences).
  Motion (Long, Barannyk) to approve FSH 4130.
  Discussion:
    - A senator asked whether UCC did a substantive review when it went through CIM; the proposal was approved by UCC but later rejected by the Senate due to procedural issues. A separate question addressed the types of products resulting from non-dissertation research, with clarification that these are determined by the major professor and are comparable to a non-thesis master's project.

  Vote: The vote was initially reported as 22/22 yes and 0/22 no. Corrected vote: 21/21 yes; 0/21 no. Motion approved.

Invited Guest Presentations

- CEC Summary – Trina Bower, Assistant Vice President, University Budget and Planning
  Trina provided a spreadsheet with the FY 2026 CEC summary; this spreadsheet is in the binder. The spreadsheet provides information on the 2026 CEC salary increase process, with a breakdown by staff, faculty and total. There were 2,260 employees that were eligible for CEC (does not include temporary or student employees).
  Discussion:
    - A question was raised as to why the goal is not to get everyone to 100% of target; the goal is an average of 100% target and to get everyone at 100% of target would cost about $24 million. There are also different reasons why some may be above or below target. Another question asked what is typical when hiring new person into a role; there is a range and approval requirements to go above certain percentages of target and the offer is based on many factors including credentials time in rank, rank coming in at, etc. It was pointed out the market-based compensation website can help answer some of these questions: https://vandalsuidaho.sharepoint.com/sites/InsideUI-Vice-Provost-Faculty/SitePages/Market-Based-Compensation.aspx

- A senator raised concerns about the $1.55 flat rate raise and indicated that our market-based compensation model might not be sustainable due to high salary compression. Another senator indicated the flat rate salary affects 9-month positions more than 12-month positions. Trina indicated that the legislature usually gives us an amount and provides discretion to allocate those funds, however they did not give us this discretion for the FY2026 CEC allocation.
- Another senator indicated faculty get a smaller percent of payroll consistently, with staff positions receiving 6.9% more of the CEC and faculty positions receiving 6.9% less compared to FY2025. A question was raised about how moving to R1 status affects market salaries. It was indicated that comparison groups were updated to include R1 institutions for faculty and staff market salaries and use of this new comparison group will be phased in over three years.

Committee Voting Items and Reports

- CEC Recommendation – Heather Taff, Chair of Staff Compensation Committee.
  This is the CEC recommendation from the Staff Compensation Committee. The committee did a survey and used the data to inform the CEC letter and recommendations. The recommendations are in the binder.
  There were no questions raised.

- CEC Recommendation from Faculty Compensation Committee: Brenda Bauges, Chair of Faculty Compensation Committee.
  This is the CEC recommendation from the Faculty Compensation Committee.
  Discussion –
  - A senator asked whether inflation was considered in this recommendation. Inflation is not something the committee considered because the amount available for raises is dictated by the legislature. Another senator asked whether retroactive promotion increases for those who had recently been promoted were discussed; this was not addressed in the current recommendation but is on the agenda to discuss in the future. A senator indicated merit should be a higher percentage of the salary raise pool and asked whether there are other pools that could be used to provide additional merit funds. Other senators indicated that there could be donor funds or other pools but one-time increases are difficult. The budget books can be helpful for understanding nuances of CEC process Budget and Planning Office | University of Idaho. Another senator indicated with inflation and no raises it will be difficult to keep up with market salaries in the long run; this senator favors across the board increases to keep up with inflation. The Provost clarified that the governor did not recommend CEC for all state employees, not just higher education. The Provost reiterated the complexity of the budget and it is further complicated by limitations on tuition increases. The other option is cutting other expenses to cover salary increases.

  The vote was initially reported at 18/23 Yes 5/23 against. Corrected vote: 17/22 yes; 4/22 no. Motion approved.

Provost's Report

- Reminder CBE is hosting a faculty gathering tomorrow, January 21 at 4:30 pm in Albertsons.
- The policy coordinator position is posted; if you know someone interested in a part-time role with expertise in this area, encourage them to apply.

New Concerns or Issues

- No new concerns or issues were raised.

Adjournment

The agenda being completed, the chair adjourned the meeting at 4:45 p.m. PST (5:45 p.m. MT).

Respectfully Submitted,

Chantal Vella
Secretary of the University Faculty & Secretary to Faculty Senate

Attach. #2

In Workflow

1. **131 Chair**
2. **08 Curriculum Committee Chair**
3. **08 Dean**
4. **Assessment**
5. **DLI**
6. **Provost Q 1**
7. **Degree Audit Review**
8. **Registrar's Office**
9. **Ready for UCC**
10. **UCC**
11. **Faculty Senate Chair**
12. Provost Q 2
13. State Approval
14. NWCCU
15. Catalog Update

Approval Path

1. Wed, 10 Dec 2025 22:52:29 GMT
   Steve Wang (stevew): Approved for 131 Chair
2. Tue, 16 Dec 2025 00:03:55 GMT
   Gabriel Potirniche (gabrielp): Approved for 08 Curriculum Committee Chair
3. Tue, 16 Dec 2025 00:07:27 GMT
   Suzanna Long (long): Approved for 08 Dean
4. Tue, 16 Dec 2025 18:08:28 GMT
   Christine Slater (cslater): Approved for Assessment
5. Wed, 17 Dec 2025 23:30:44 GMT
   Nicole Remy (nremy): Approved for DLI
6. Thu, 15 Jan 2026 23:53:52 GMT
   Sande Schlueter (sandeschlueter): Approved for Provost Q 1
7. Tue, 20 Jan 2026 23:18:55 GMT
   Rebecca Frost (rfrost): Approved for Degree Audit Review
8. Wed, 21 Jan 2026 16:06:46 GMT
   Anna Hall (annahall): Approved for Registrar's Office
9. Thu, 22 Jan 2026 18:08:48 GMT
   Anna Hall (annahall): Approved for Ready for UCC
10. Wed, 28 Jan 2026 17:04:10 GMT
    Anna Hall (annahall): Approved for UCC

New Program Proposal

Date Submitted: Wed, 10 Dec 2025 22:39:23 GMT

Viewing: 620 : Bachelor of Science in Artificial Intelligence

Last edit: Wed, 28 Jan 2026 17:03:14 GMT

Changes proposed by: Steve Wang

Faculty Contact

Faculty Name	Faculty Email
Yong Wang	stevew@uidaho.edu

Will this request have a fiscal impact of $250K or greater?

No

Academic Level
Undergraduate

College
Engineering

Department/Unit:
Computer Science

Effective Catalog Year
2026-2027

Program Title
Bachelor of Science in Artificial Intelligence

Degree Type
Major

Please note: Majors and certificates over 30 credits need to have a appropriate SBOE form approved before the program can be created in curriculum.

Program Credits
120

Attach Program Change
BS in AI Full Proposal v3.docx

CIP Code
11.0102 - Artificial Intelligence.

Emphasis/Option CIP Code(s)

Code(s)
11.0102

Will the program be self-support?

No

Will the program have a professional fee?

No

Will the program have an institutional online program fee?

No

Will this program lead to licensure in any state?

No

Will the program be a statewide responsibility?

No

Financial Information

What is the financial impact of the request?

Less than $250,000 per FY

Note: If financial impact is greater than $250,000, you must complete a program proposal form.

Describe the financial impact

Curriculum:

Course List

Code	Title	Hours
Major Requirements		
CS 1120	Computer Science I	4
CS 1121	Computer Science II	3
AIML 1101	Course AIML 1101 Not Found (AI Fundamentals)	3
AIML 2001	Course AIML 2001 Not Found (Intro to Machine Learning)	3

Course List		
Code	**Title**	**Hours**
ENGR 2120	Python Programming Essentials	3
CYB 2200	Secure Coding and Analysis	3
CS 3195	Analysis of Algorithms	3
CS 4622	Applied Data Science with Python	3
CS 4701	Artificial Intelligence	3
CS 4715	Deep Learning	3
CS 4741	Natural Language Processing	3
CS 4771	Python for Machine Learning	3
AIML 4010	Course AIML 4010 Not Found (Senior Seminar)	1
AIML 4800	Course AIML 4800 Not Found (Senior Capstone I)	3
AIML 4810	Course AIML 4810 Not Found (Senior Capstone II)	3
Mathematic		
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
MATH 1170	Calculus I	4
MATH 1750	Calculus II	4
MATH 1760	Discrete Mathematics	3
MATH 3300	Linear Algebra	3
Statistics		
STAT 3010	Probability and Statistics	3
or STAT 2510	Statistical Methods	
Technical Writing		
ENGL 2020	Technical Writing I	3
or ENGL 3170	Technical Writing II	
In Addition: Students may choose the General AI Studies emphasis or one of the five emphases. The capstone project for students in an emphasis must be directly relevant to their selected emphasis area.		21

Course List		
Code	**Title**	**Hours**
General AI Studies		
Emphasis 1: Robotics AI		
Emphasis 2: AI Cyber		
Emphasis 3: Secure AI		
Emphasis 4: AI Infrastructure & Operations		
Emphasis 5: AI in Data Science		
Total Hours		89

A. General AI Studies Emphasis

Course List		
Code	**Title**	**Hours**
Select seven elective courses with a CS, CYB, or AIML prefix. At least four of the seven elective courses must be upper division.		21
Total Hours		21

Courses to total 123 credits for this degree

B. Robotics AI Emphasis

Course List		
Code	**Title**	**Hours**
CS 1550	Computer Organization and Architecture	3
CS 2XXX	Course CS 2XXX Not Found (Introduction to Robotic Systems)	3
CS 2240	Computer Operating Systems	3
Select 4 courses from the list below:		12
CS 4502	Real-Time Operating Systems	
CS 4543	Embedded Systems	
CS 4553	Robotic Systems Engineering I	
CS 4554	Robotic Systems Engineering II	
CS 4615	Computational Biology: Sequence Analysis	

Course List		
Code	**Title**	**Hours**
CS 4571	AI Data Analysis for Industrial Applications	
CS 4731	Evolutionary Computation	
CS 4885	Machine Vision	
Total Hours		21

Courses to total 126 credits for this degree

C. AI Cyber Emphasis

Course List		
Code	**Title**	**Hours**
CYB 1100	Cybersecurity and Privacy	3
CYB 2100	Cybersecurity Architectures and Management	3
CYB 3100	Cybersecurity Technical Foundations	3
CYB 3300	Networking Fundamentals	3
CYB 3400	Network Defense	3
CYB 4400	Software Vulnerability Analysis	3
CYB 4442	IoT and CPS Security (IoT and CPS Security)	3
Total Hours		21

Courses to total 132 credits for this degree

D. Secure AI Emphasis

Course List		
Code	**Title**	**Hours**
CS 1550	Computer Organization and Architecture	3
CS 2240	Computer Operating Systems	3
CYB 3100	Cybersecurity Technical Foundations	3
CYB 3300	Networking Fundamentals	3
CYB 3400	Network Defense	3

Course List		
Code	**Title**	**Hours**
CYB 3500	Operating System Defense	3
CS 4727	Adversarial Machine Learning	3
Total Hours		21

Courses to total 132 credits for this degree

E. AI Infrastructure & Operations Emphasis

Course List		
Code	**Title**	**Hours**
Emphasis: AI Infrastructure & Operations		
CS 1550	Computer Organization and Architecture	3
CS 2240	Computer Operating Systems	3
CYB 3300	Networking Fundamentals	3
CS 4211	Parallel Programming	3
Select 3 courses from the list below:		9
CS 3600	Database Systems	
CS 4602	Database Management Systems Design	
CS 4241	Advanced Operating Systems	
CS 4441	Multi-User Games and Virtual Environments	
CS 4XXX	Course CS 4XXX Not Found (Digital Twins)	
Elective course with CS, CYB, or AIML prefix		
Total Hours		21

Courses to total 132 credits for this degree

F. AI in Data Science Emphasis

Course List		
Code	**Title**	**Hours**
CS 3600	Database Systems	4

Course List		
Code	**Title**	**Hours**
CS 4621	Data Science	3
CS 4625	Semantic Web and Open Data	3
Select 4 courses from the list below:		11
CS 4602	Database Management Systems Design	
CS 4712	Machine Learning	
CS 4718	Convex Optimization	
CS 4727	Adversarial Machine Learning	
STAT 4510	Probability Theory	
STAT 4520	Mathematical Statistics	
Elective course with CS, CYB, or AIML prefix		
Total Hours		21

Courses to total 124 credits for this degree.

Degree Maps:

Students who place directly into MATH 1170 are required to enroll in an additional elective to meet the minimum credits for a baccalaureate degree (J-1-a).

General AI Emphasis

Plan of Study Grid		
	Fall Term 1	**Hours**
COMM 1101	Fundamentals of Oral Communication	3
CS 1120	Computer Science I	4
ENGL 1101	Writing and Rhetoric I	3
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
Humanistic and Artistic Ways of Knowing Course		3
	Hours	17
	Spring Term 1	
AIML 1101	Course AIML 1101 Not Found	3
CS 1121	Computer Science II	3

ENGL 1102	Writing and Rhetoric II	3
MATH 1170	Calculus I	4
MATH 1760	Discrete Mathematics	3
	Hours	16
	Fall Term 2	
ENGR 2120	Python Programming Essentials	3
MATH 1750	Calculus II	4
Major Elective, Technical Elective Course		3
Scientific Ways of Knowing (course with Lab)		4
	Hours	14
	Spring Term 2	
AIML 2001	Course AIML 2001 Not Found	3
CYB 2200	Secure Coding and Analysis	3
STAT 3010 or STAT 2510	Probability and Statistics or Statistical Methods	3
Humanistic and Artistic Ways of Knowing Course		3
Scientific Ways of Knowing Course (CORS recommended)		3
	Hours	15
	Fall Term 3	
CS 3195	Analysis of Algorithms	3
MATH 3300	Linear Algebra	3
American Experience Course		3
International Course		3
Major Elective, Technical Elective Course		3
	Hours	15
	Spring Term 3	
CS 4622	Applied Data Science with Python	3
CS 4771	Python for Machine Learning	3
ENGL 3170 or ENGL 2020	Technical Writing II or Technical Writing I	3
Major Elective, Technical Elective Course		3
Social & Behavioral Ways of Knowing Course		3
	Hours	15
	Fall Term 4	
AIML 4800	Course AIML 4800 Not Found	3
CS 4715	Deep Learning	3
Major Elective, Technical Elective Course		3
Major Elective, Technical Elective Course		3
Social & Behavioral Ways of Knowing Course		3

	Hours	15
	Spring Term 4	
AIML 4010	Course AIML 4010 Not Found	1
AIML 4810	Course AIML 4810 Not Found	3
CS 4701	Artificial Intelligence	3
CS 4741	Natural Language Processing	3
Major Elective, Technical Elective Course		3
Major Elective, Technical Elective Course		3
	Hours	16
	Total Hours	123

Robotics AI Emphasis

Plan of Study Grid

	Fall Term 1	**Hours**
COMM 1101	Fundamentals of Oral Communication	3
CS 1120	Computer Science I	4
ENGL 1101	Writing and Rhetoric I	3
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
Humanistic and Artistic Ways of Knowing Course		3
	Hours	17
	Spring Term 1	
AIML 1101	Course AIML 1101 Not Found	3
CS 1121	Computer Science II	3
ENGL 1102	Writing and Rhetoric II	3
MATH 1170	Calculus I	4
MATH 1760	Discrete Mathematics	3
	Hours	16
	Fall Term 2	
CS 1550	Computer Organization and Architecture	3
ENGR 2120	Python Programming Essentials	3
MATH 1750	Calculus II	4
Scientific Ways of Knowing Course (Course with lab)		4
	Hours	14
	Spring Term 2	
AIML 2001	Course AIML 2001 Not Found	3
CYB 2200	Secure Coding and Analysis	3
STAT 3010	Probability and Statistics	3

or STAT 2510	or Statistical Methods	
Humanistic and Artistic Ways of Knowing Course		3
Scientific Ways of Knowing Course (CORS recommended)		3
	Hours	15
	Fall Term 3	
CS 3195	Analysis of Algorithms	3
CS 2XXX	Course CS 2XXX Not Found	3
MATH 3300	Linear Algebra	3
American Experience Course		3
International Course		3
	Hours	15
	Spring Term 3	
CS 4622	Applied Data Science with Python	3
CS 4771	Python for Machine Learning	3
CS 2240	Computer Operating Systems	3
CS 2230	System Software	3
ENGL 3170	Technical Writing II	3
or ENGL 2020	or Technical Writing I	
Social & Behavioral Ways of Knowing Course		3
	Hours	18
	Fall Term 4	
AIML 4800	Course AIML 4800 Not Found	3
CS 4715	Deep Learning	3
Major Elective, Technical Elective Course		3
Major Elective, Technical Elective Course		3
Social & Behavioral Ways of Knowing Course		3
	Hours	15
	Spring Term 4	
AIML 4010	Course AIML 4010 Not Found	1
AIML 4810	Course AIML 4810 Not Found	3
CS 4701	Artificial Intelligence	3
CS 4741	Natural Language Processing	3
Major Elective, Technical Elective Course		3
Major Elective, Technical Elective Course		3
	Hours	16
	Total Hours	126

AI Cyber Emphasis

Plan of Study Grid

	Fall Term 1	**Hours**
COMM 1101	Fundamentals of Oral Communication	3
CS 1120	Computer Science I	4
ENGL 1101	Writing and Rhetoric I	3
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
Humanistic and Artistic Ways of Knowing Course		3
	Hours	17
	Spring Term 1	
AIML 1101	Course AIML 1101 Not Found	3
CS 1121	Computer Science II	3
ENGL 1102	Writing and Rhetoric II	3
MATH 1170	Calculus I	4
MATH 1760	Discrete Mathematics	3
	Hours	16
	Fall Term 2	
CYB 1100	Cybersecurity and Privacy	3
CS 1550	Computer Organization and Architecture	3
ENGR 2120	Python Programming Essentials	3
MATH 1750	Calculus II	4
Scientific Ways of Knowing Course (Course with Lab)		4
	Hours	17
	Spring Term 2	
AIML 2001	Course AIML 2001 Not Found	3
CYB 2200	Secure Coding and Analysis	3
STAT 3010 or STAT 2510	Probability and Statistics or Statistical Methods	3
Humanistic and Artistic Ways of Knowing Course		3
Scientific Ways of Knowing Course (CORS recommended)		3
	Hours	15
	Fall Term 3	
CS 3195	Analysis of Algorithms	3
CS 2240	Computer Operating Systems	3
CS 2230	System Software	3
CYB 2100	Cybersecurity Architectures and Management	3
MATH 3300	Linear Algebra	3
International Course		3
	Hours	18

	Spring Term 3	
CS 4622	Applied Data Science with Python	3
CS 4771	Python for Machine Learning	3
CYB 3100	Cybersecurity Technical Foundations	3
ENGL 3170 or ENGL 2020	Technical Writing II or Technical Writing I	3
American Experience Course		3
Social & Behavioral Ways of Knowing Course		3
	Hours	18
	Fall Term 4	
AIML 4800	Course AIML 4800 Not Found	3
CS 4715	Deep Learning	3
CYB 3300	Networking Fundamentals	3
CYB 4400	Software Vulnerability Analysis	3
Social & Behavioral Ways of Knowing Course		3
	Hours	15
	Spring Term 4	
AIML 4010	Course AIML 4010 Not Found	1
AIML 4810	Course AIML 4810 Not Found	3
CS 4701	Artificial Intelligence	3
CS 4741	Natural Language Processing	3
CYB 3400	Network Defense	3
CYB 4442	IoT and CPS Security	3
	Hours	16
	Total Hours	132

Secure AI Emphasis

Plan of Study Grid

	Fall Term 1	**Hours**
COMM 1101	Fundamentals of Oral Communication	3
CS 1120	Computer Science I	4
ENGL 1101	Writing and Rhetoric I	3
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
Humanistic and Artistic Ways of Knowing Course		3
	Hours	17
	Spring Term 1	
AIML 1101	Course AIML 1101 Not Found	3

CS 1121	Computer Science II	3
ENGL 1102	Writing and Rhetoric II	3
MATH 1170	Calculus I	4
MATH 1760	Discrete Mathematics	3
	Hours	16
	Fall Term 2	
CS 1550	Computer Organization and Architecture	3
CYB 1100	Cybersecurity and Privacy	3
ENGR 2120	Python Programming Essentials	3
MATH 1750	Calculus II	4
Scientific Ways of Knowing Course (Course with Lab)		4
	Hours	17
	Spring Term 2	
AIML 2001	Course AIML 2001 Not Found	3
CYB 2200	Secure Coding and Analysis	3
CYB 2100	Cybersecurity Architectures and Management	3
STAT 3010 or STAT 2510	Probability and Statistics or Statistical Methods	3
Humanistic and Artistic Ways of Knowing Course		3
Scientific Ways of Knowing Course (CORS recommended)		3
	Hours	18
	Fall Term 3	
CS 3195	Analysis of Algorithms	3
CS 2240	Computer Operating Systems	3
CS 2230	System Software	3
MATH 3300	Linear Algebra	3
American Experience Course		3
International Course		3
	Hours	18
	Spring Term 3	
CS 4622	Applied Data Science with Python	3
CS 4771	Python for Machine Learning	3
CYB 3100	Cybersecurity Technical Foundations	3
ENGL 3170 or ENGL 2020	Technical Writing II or Technical Writing I	3
Social & Behavioral Ways of Knowing Course		3
	Hours	15
	Fall Term 4	
AIML 4800	Course AIML 4800 Not Found	3

CS 4715	Deep Learning	3
CYB 3300	Networking Fundamentals	3
CYB 3500	Operating System Defense	3
Social & Behavioral Ways of Knowing Course		3
	Hours	15
	Spring Term 4	
AIML 4010	Course AIML 4010 Not Found	1
AIML 4810	Course AIML 4810 Not Found	3
CS 4701	Artificial Intelligence	3
CS 4741	Natural Language Processing	3
CS 4727	Adversarial Machine Learning	3
CYB 3400	Network Defense	3
	Hours	16
	Total Hours	132

AI Infrastructure & Operations Emphasis

Plan of Study Grid

	Fall Term 1	**Hours**
COMM 1101	Fundamentals of Oral Communication	3
CS 1120	Computer Science I	4
ENGL 1101	Writing and Rhetoric I	3
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
Humanistic and Artistic Ways of Knowing Course		3
	Hours	17
	Spring Term 1	
AIML 1101	Course AIML 1101 Not Found	3
CS 1121	Computer Science II	3
ENGL 1102	Writing and Rhetoric II	3
MATH 1170	Calculus I	4
MATH 1760	Discrete Mathematics	3
	Hours	16
	Fall Term 2	
CS 1550	Computer Organization and Architecture	3
CYB 1100	Cybersecurity and Privacy	3
ENGR 2120	Python Programming Essentials	3
MATH 1750	Calculus II	4
Scientific Ways of Knowing Course (Course with lab)		4

	Hours	17
	Spring Term 2	
AIML 2001	Course AIML 2001 Not Found	3
CYB 2200	Secure Coding and Analysis	3
CYB 2100	Cybersecurity Architectures and Management	3
STAT 3010 or STAT 2510	Probability and Statistics or Statistical Methods	3
Humanistic and Artistic Ways of Knowing Course		3
Scientific Ways of Knowing Course (CORS recommended)		3
	Hours	18
	Fall Term 3	
CS 3195	Analysis of Algorithms	3
CS 2240	Computer Operating Systems	3
CS 2230	System Software	3
MATH 3300	Linear Algebra	3
American Experience Course		3
International Course		3
	Hours	18
	Spring Term 3	
CS 4622	Applied Data Science with Python	3
CS 4771	Python for Machine Learning	3
CS 4211	Parallel Programming	3
ENGL 3170 or ENGL 2020	Technical Writing II or Technical Writing I	3
Social & Behavioral Ways of Knowing Course		3
	Hours	15
	Fall Term 4	
AIML 4800	Course AIML 4800 Not Found	3
CS 4715	Deep Learning	3
CYB 3300	Networking Fundamentals	3
Major Elective, Technical Elective Course		3
Social & Behavioral Ways of Knowing Course		3
	Hours	15
	Spring Term 4	
AIML 4010	Course AIML 4010 Not Found	1
AIML 4810	Course AIML 4810 Not Found	3
CS 4701	Artificial Intelligence	3
CS 4741	Natural Language Processing	3
Major Elective, Technical Elective Course		3

Major Elective, Technical Elective Course		3
	Hours	16
	Total Hours	132

AI in Data Science Emphasis

Plan of Study Grid

	Fall Term 1	**Hours**
COMM 1101	Fundamentals of Oral Communication	3
CS 1120	Computer Science I	4
ENGL 1101	Writing and Rhetoric I	3
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
Humanistic and Artistic Ways of Knowing Course		3
	Hours	17
	Spring Term 1	
AIML 1101	Course AIML 1101 Not Found	3
CS 1121	Computer Science II	3
ENGL 1102	Writing and Rhetoric II	3
MATH 1170	Calculus I	4
MATH 1760	Discrete Mathematics	3
	Hours	16
	Fall Term 2	
CS 1550	Computer Organization and Architecture	3
ENGR 2120	Python Programming Essentials	3
MATH 1750	Calculus II	4
Scientific Ways of Knowing Course (Course with lab)		4
	Hours	14
	Spring Term 2	
AIML 2001	Course AIML 2001 Not Found	3
CYB 2200	Secure Coding and Analysis	3
STAT 3010 or STAT 2510	Probability and Statistics or Statistical Methods	3
Humanistic and Artistic Ways of Knowing Course		3
Scientific Ways of Knowing Course (CORS recommended)		3
	Hours	15
	Fall Term 3	
CS 3195	Analysis of Algorithms	3
CS 3600	Database Systems	4
MATH 3300	Linear Algebra	3

American Experience Course		3
International Course		3
	Hours	16
	Spring Term 3	
CS 4622	Applied Data Science with Python	3
CS 4771	Python for Machine Learning	3
ENGL 3170	Technical Writing II	3
or ENGL 2020	or Technical Writing I	
Major Elective, Technical Elective Course		3
Social & Behavioral Ways of Knowing Course		3
	Hours	15
	Fall Term 4	
AIML 4800	Course AIML 4800 Not Found	3
CS 4715	Deep Learning	3
CS 4621	Data Science	3
Major Elective, Technical Elective Course		3
Social & Behavioral Ways of Knowing Course		3
	Hours	15
	Spring Term 4	
AIML 4010	Course AIML 4010 Not Found	1
AIML 4810	Course AIML 4810 Not Found	3
CS 4701	Artificial Intelligence	3
CS 4741	Natural Language Processing	3
CS 4625	Semantic Web and Open Data	3
Major Elective, Technical Elective Course		3
	Hours	16
	Total Hours	124

Catalog Program Description:

The Bachelor of Science in Artificial Intelligence (B.S. in AI) is designed to prepare students for the rapidly evolving AI-driven workforce. The program integrates foundational computing knowledge with applied AI skills and emphasizes the ethical and effective use of AI technologies. Students gain hands-on experience through capstone projects, co-op opportunities, and other experiential learning activities that connect classroom concepts to real-world practice. The program offers an AI General Studies option and five emphasis areas, i.e., Robotics AI, AI Cyber, Secure AI, AI Infrastructure & Operations, and AI in Data Science, that reflect the interdisciplinary nature of AI and the university's established strengths in cybersecurity, robotics, and data-driven systems.

The Robotics AI emphasis provides students with the skills to evaluate, use, build, and

deploy AI techniques in robotics and manufacturing. The emphasis places special focus on design choices and architectures needed for in-situ model development and deployment, as well as multimodal sensor integration. Students learn best practices in applied AI and gain experience interacting with robotics and intelligent machines.

The AI Cyber (AI for Cybersecurity) emphasis equips students with the ability to apply AI techniques and algorithms to evaluate, build, and strengthen cybersecurity systems. Students learn best practices in AI/ML algorithms and gain the skills needed to apply them effectively to secure digital systems.

The Secure AI (Security of AI) emphasis prepares students to secure AI systems and the infrastructure that supports them throughout the entire AI lifecycle. Because AI introduces unique vulnerabilities and security challenges, this emphasis provides essential skills in cybersecurity and secure AI practices, enabling students to protect AI models, data pipelines, and deployment environments.

The AI Infrastructure and Operations emphasis focuses on the foundational systems required to support scalable, secure, and reliable AI applications. Students gain comprehensive knowledge of the hardware and software ecosystems underpinning modern intelligent systems, including database management, computer architecture, distributed computing, and cybersecurity. This emphasis prepares graduates to design, implement, and maintain complex infrastructures that support AI at scale.

The AI in Data Science emphasis equips students with the theoretical foundations and practical skills needed to design, implement, and optimize data-driven solutions. Students develop expertise in database systems, statistical modeling, machine learning, and advanced data management techniques, preparing them to work with complex, large-scale datasets and extract actionable insights. Beyond tool usage, students learn to innovate and develop new methods and systems that advance the fields of AI and data science.

Graduates of the B.S. in AI program will be prepared for emerging careers across industry, government, and research, equipped with the technical expertise, ethical grounding, and practical experience needed to lead in a future shaped by artificial intelligence.

Distance Education Availability

To comply with the requirements of the Idaho State Board of Education (SBOE) and the Northwest Commission on Colleges and Universities (NWCCU) the University of Idaho must declare whether 50% or more of the curricular requirements of a program which may be completed via distance education.

Can 50% or more of the curricular requirements of this program be completed via distance education?

No

Geographical Area Availability

In which of the following geographical areas can this program be completed in person?

Coeur d'Alene
Moscow

Student Learning Outcomes

Learning Objectives

The B.S. in AI program is designed to ensure that graduates achieve six defined student learning outcomes (LOs):

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Apply appropriate AI theories, models, techniques, and tools throughout the AI lifecycle to design, implement, and evaluate solutions that meet stakeholders' needs.

Student Learning Outcomes

Describe the assessment process that will be used to evaluate how well students are achieving the intended learning outcomes of the program component.

Five courses have been selected to assess the student learning outcomes (LOs) for the B.S. in AI program:
• AIML 4010 Senior Seminar is used to assess LO3 and LO4.
• CS 4701 Artificial Intelligence is used to assess LO1, LO2, and LO6.
• CS 4771 Python for Machine Learning is used to assess LO1, LO2, and LO6.
• AIML 4800/4810 Senior Capstone I/II are used to assess LO1, LO2, LO3, LO4, and LO5.

How will you ensure that the assessment findings will be used to improve the program?

The Department of Computer Science currently offers two undergraduate programs: an ABET-accredited Computer Science program and a Cybersecurity program that is in the

process of obtaining ABET accreditation, with approval anticipated in Fall 2026. The department has an established, documented process for assessment and evaluation. The proposed B.S. in AI program is aligned with the ABET CAC General Criteria for Computer Science, and we intend to apply for ABET accreditation once ABET releases the program-specific criteria for AI.

Student achievement of learning outcomes is evaluated through multiple direct measures each semester as part of the department's assessment cycle. Assessment data are reviewed at the end of each spring semester and stored in a shared departmental repository. Faculty review and discussion of the findings occur during regular department meetings, at the department's annual fall retreat, and in consultation with the Industrial Advisory Board each spring. Faculty input from these evaluations is incorporated into the program's analysis and used to inform and guide continuous curriculum improvement.

What direct and indirect measures will be used to assess student learning?

Both direct and indirect measures will be used to assess student learning outcomes.
• Direct measures: Faculty will select representative materials from the courses, such as assignments, projects, quizzes, exams, and presentations, to assess student learning outcomes.
• Indirect measures: A survey will be distributed to all graduating students. The survey will ask students to provide a self-assessment of how well each learning outcome was achieved through the program. In addition, interviews will be conducted with program graduates. Feedback from these graduates will provide an indirect measure of program effectiveness.

When will assessment activities occur and at what frequency?

Assessment will be conducted each year in the selected course at the conclusion of the course.

A clearly stated rationale for this proposal must be included or the University Curriculum Committee will return the proposal for completion of this section. The rational should provide a detailed summary of the proposed change(s). In addition, include a statement in the rationale regarding how the department will manage the added workload, if any.

The proposed B.S. in AI program is strongly aligned with the University of Idaho's strategic plan across its five pillars. By preparing students for a rapidly evolving workforce and equipping them with the skills to use AI ethically and effectively, the program will ignite student success and expand access to high-value educational opportunities. Its emphasis on experiential learning through capstone projects, the co-op education program, and competency-based outcomes ensures that graduates can confidently translate classroom knowledge into real-world practice. The program also advances the university's educational model by integrating AI into instruction and strengthening existing academic offerings. Its five emphasis areas, i.e., Robotics AI, AI Cyber, Secure AI, AI Infrastructure & Operations, and AI in Data Science, underscore the interdisciplinary nature of AI and leverage the

institution's existing strengths. Through these pathways, the program will catalyze research innovation, deepen industry partnerships, and address critical workforce needs across the state and region. Finally, by embedding AI into institutional processes and enhancing faculty expertise, the program supports operational excellence and positions the University of Idaho for sustainable growth and a stronger competitive advantage.

The B.S. in AI program will primarily rely on existing courses currently offered in the catalog, and no additional sections of these courses will be required. Two new courses including AI Fundamentals and Introduction to Machine Learning will be offered for the first time in Spring 2027 and Spring 2028, respectively. These courses will be taught within the instructional capacity of the current faculty.

The proposed program can be launched without the immediate need for new faculty. If enrollment growth warrants it, we will request funding for an additional faculty member. As AI continues to reshape every industry, universities that do not keep pace risk declining enrollment, weaker job placement outcomes, and reduced competitiveness. The proposed B.S. in AI program is critical to the mission of our university.

Supporting Documents
620_ Bachelor of Science in Artificial Intelligence.pdf
BSc in AI Budget Proposal Form v3.xlsx
Curriculum Analytics-BS-AI-4-year-plan.pdf
Artificial Intelligence-AI Cyber_BS_2026.xlsx
Artificial Intelligence-Secure AI_BS_2026.xlsx
Artificial Intelligence-Robotics AI_BS_2026.xlsx
Artificial Intelligence-AI Infrastructure & Operations_BS_2026.xlsx
Artificial Intelligence-AI in Data Science_BS_2026.xlsx
Artificial Intelligence-General AI_BS_2026.xlsx

Reviewer Comments
Rebecca Frost (rfrost) (Tue, 20 Jan 2026 22:53:13 GMT): Original study plan did not include ENGL 1102. This brings the base total up to 123 credits for the General Emphasis upon which all other maps are based. To accommodate this addition the Technical Elective listed in the Spring 1 term was moved to the Spring 4 term for better distribution. For the Robotics AI map, CS 2230 is a required co-requisite for the needed CS 2240 course. Total for this Emphasis is 126 credits. For the AI Cyber map, CS 3100 requires CS 2240 as a prerequisite. This necessitates the student take CS 1550 (required CS 2240 prerequisite) and CS 2230 (required CS 2240 corequisite). The American Experience course was moved to Spring 3 for a better credit spread. Total for this emphasis is 132 credits. For the Secure AI Emphasis, CYB 3300 requires CYB 1100 (required CYB 2100 prerequisite) and CYB 2100 (required CYB 3300 prerequisite) to be added. CS 2240 requires CS 2230 be added as a corequisite. Total for this emphasis is 132 credits. AI Infrastructure & Operations emphasis requires CYB 3300. This adds CYB 1100 (required CYB 2100 prerequisite) and CYB 2100 (required CYB 3300 prerequisite). CS 2240 requires CS 2230 as a co-requisite. Total for this emphasis is 132

credits. AI in Data Science had the same changes as the general emphasis, but requires CS 3600 raising the credit total for this emphasis to 124 credits.

Anna Hall (annahall) (Wed, 28 Jan 2026 17:03:14 GMT): Per UCC, effective term was updated from summer 2027 to summer 2026. The General AI Studies "Option" was renamed in the curriculum text to read General AI Studies "Emphasis" which is to maintain consistency with the other emphases listed. The total program credits vary in each emphasis due to required pre-reqs and co-reqs (refer to the comment by Rebecca Frost for additional information). The proposers have submitted CIM edits to these courses so the total program credits can be reduced to 123. For students who place directly into MATH 1170, they will have only completed 119 credits which would require them to choose another elective course to meet the 120 minimum. UCC members requested this statement be added to the beginning of the Degree Map for clarity. Note: AIML 1101, AIML 2001, AIML 4010, and AIML 4810 have been approved and created in CIM but still show as "not found" in the curriculum since they have not yet populated in the system. AIML 4800, CS 2XXX, and CS 4XXX course add proposals have not been submitted yet. Proposal authors confirmed to submit these soon.

Key: 620

620: BACHELOR OF SCIENCE IN ARTIFICIAL INTELLIGENCE

New Program Proposal
Changes saved but not submitted
Viewing: 620 : Bachelor of Science in Artificial Intelligence
Last edit: Tue, 09 Dec 2025 20:41:25 GMT

Faculty Contact

Faculty Name	Faculty Email
Yong Wang	stevew@uidaho.edu

Will this request have a fiscal impact of $250K or greater?
No

Academic Level
Undergraduate

College
Engineering

Department/Unit:
Computer Science

Effective Catalog Year
2027-2028

Program Title
Bachelor of Science in Artificial Intelligence

Degree Type
Major

Please note: Majors and certificates over 30 credits need to have a appropriate SBOE form approved before the program can be created in curriculum.

Program Credits
120

CIP Code
11.0102 - Artificial Intelligence.

Emphasis/Option CIP Code(s)

Code(s)
11.0102

Will the program be self-support?
No

Will the program have a professional fee?
No

Will the program have an institutional online program fee?
No

Will this program lead to licensure in any state?
No

Will the program be a statewide responsibility?
No

Financial Information

What is the financial impact of the request?
Less than $250,000 per FY

Note: If financial impact is greater than $250,000, you must complete a program proposal form.

Curriculum:

Code	Title	Hours
General Education		
J-3-a Written Communication		3
J-3-b Oral Communication		3
J-3-c Scientific Ways of Knowing		7
J-3-d Mathematical Ways of Knowing - MATH 1170		4
J-3-e Social and Behavioral Ways of Knowing		6
J-3-e Humanistic and Artistic Ways of Knowing		6
J-3-f American Experience		3
J-3-g International course or an approved study abroad experience		3
J-3-h Capstone Experience - AIML 4810		3
Total Hours		**38**

Code	Title	Hours
Major Requirements		
CS 1120	Computer Science I	4
CS 1121	Computer Science II	3
AIML 1101	Course AIML 1101 Not Found (AI Fundamentals)	3
AIML 2001	Course AIML 2001 Not Found (Intro to Machine Learning)	3
ENGR 2120	Python Programming Essentials	3
CYB 2200	Secure Coding and Analysis	3
CS 3195	Analysis of Algorithms	3
CS 4622	Applied Data Science with Python	3
CS 4701	Artificial Intelligence	3
CS 4715	Deep Learning	3
CS 4741	Natural Language Processing	3
CS 4771	Python for Machine Learning	3
AIML 4010	Course AIML 4010 Not Found (Senior Seminar)	1
AIML 4800	Course AIML 4800 Not Found (Senior Capstone I)	3
AIML 4810	Course AIML 4810 Not Found (Senior Capstone II)	3
Mathematic		
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
MATH 1170	Calculus I	4
MATH 1750	Calculus II	4
MATH 1760	Discrete Mathematics	3
MATH 3300	Linear Algebra	3
Statistics		
STAT 3010	Probability and Statistics	3
or STAT 2510	Statistical Methods	
Technical Writing		
ENGL 2020	Technical Writing I	3
or ENGL 3170	Technical Writing II	
In Addition: Students may choose the General AI Studies option or one of the five emphases. The capstone project for students in an emphasis must be directly relevant to their selected emphasis area.		**21**
General AI Studies		
Emphasis 1: Robotics AI		
Emphasis 2: AI Cyber		
Emphasis 3: Secure AI		
Emphasis 4: AI Infrastructure & Operations		

Emphasis 5: AI in Data Science		
Total Hours		**89**

Code	Title	Hours
General AI Studies		**21**
Select seven elective courses with a CS, CYB, or AIML prefix. At least four of the seven elective courses must be upper division.		
Total Hours		**21**

Code	Title	Hours
Emphasis: Robotics AI		
CS 1550	Computer Organization and Architecture	3
CS 2XXX	Course CS 2XXX Not Found (Introduction to Robotic Systems)	3
CS 2240	Computer Operating Systems	3
Select 4 courses from the list below:		12
CS 4502	Real-Time Operating Systems	
CS 4543	Embedded Systems	
CS 4553	Robotic Systems Engineering I	
CS 4554	Robotic Systems Engineering II	
CS 4615	Computational Biology: Sequence Analysis	
CS 4571	AI Data Analysis for Industrial Applications	
CS 4731	Evolutionary Computation	
CS 4885	Machine Vision	
Total Hours		**21**

Code	Title	Hours
Emphasis: AI Cyber		
CYB 1100	Cybersecurity and Privacy	3
CYB 2100	Cybersecurity Architectures and Management	3
CYB 3100	Cybersecurity Technical Foundations	3
CYB 3300	Networking Fundamentals	3
CYB 3400	Network Defense	3
CYB 4400	Software Vulnerability Analysis	3
CYB 4442	Course CYB 4442 Not Found (IoT and CPS Security)	3
Total Hours		**21**

Code	Title	Hours
Emphasis: Secure AI		
CS 1550	Computer Organization and Architecture	3
CS 2240	Computer Operating Systems	3
CYB 3100	Cybersecurity Technical Foundations	3
CYB 3300	Networking Fundamentals	3
CYB 3400	Network Defense	3
CYB 3500	Operating System Defense	3
CS 4727	Adversarial Machine Learning	3
Total Hours		**21**

Code	Title	Hours
Emphasis: AI Infrastructure & Operations		
CS 1550	Computer Organization and Architecture	3
CS 2240	Computer Operating Systems	3
CYB 3300	Networking Fundamentals	3
CS 4211	Parallel Programming	3
Select 3 courses from the list below:		9
CS 3600	Database Systems	
CS 4602	Database Management Systems Design	
CS 4241	Advanced Operating Systems	
CS 4441	Multi-User Games and Virtual Environments	
CS 4XXX	Course CS 4XXX Not Found (Digital Twins)	

ELECTIVE COURSE(S)	Course ELECTIVE COURSE(S) Not Found	
Total Hours		**21**

Code	Title	Hours
Emphasis: AI in Data Science		
CS 3600	Database Systems	4
CS 4621	Data Science	3
CS 4625	Semantic Web and Open Data	3
Select 4 courses from the list below:		11
CS 4602	Database Management Systems Design	
CS 4712	Machine Learning	
CS 4718	Convex Optimization	
CS 4727	Adversarial Machine Learning	
STAT 4510	Probability Theory	
STAT 4520	Mathematical Statistics	
ELECTIVE COURSE(S)	Course ELECTIVE COURSE(S) Not Found	
Total Hours		**21**

Courses to total 120 credits for this degree.

Degree Maps:

Freshman		
Fall Term 1		**Hours**
COMM 1101	Fundamentals of Oral Communication	3
ENGL 1101	Writing and Rhetoric I	3
GenEd Humanistic/Artistic		3
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
CS 1120	Computer Science I	4
	Hours	**17**
Spring Term 1		
MATH 1170	Calculus I	4
MATH 1760	Discrete Mathematics	3
AIML 1101	Course AIML 1101 Not Found (AI Fundamentals)	3
CS 1121	Computer Science II	3
Tech Elective		3
	Hours	**16**
Sophomore		
Fall Term 2		
MATH 1750	Calculus II	4
ENGR 2120	Python Programming Essentials	3
GenEd Science w/ lab		4
Tech Elective		3
	Hours	**14**
Spring Term 2		
STAT 3010 or STAT 2510	Probability and Statistics or Statistical Methods	3
AIML 2001	Course AIML 2001 Not Found (Intro to Machine Learning)	3
CYB 2200	Secure Coding and Analysis	3
GenEd Humanistic/Artistic		3
a Core Science (CORS) course		3
	Hours	**15**
Junior		
Fall Term 3		
MATH 3300	Linear Algebra	3
CS 3195	Analysis of Algorithms	3
GenEd International		3
GenEd American Diversity		3
Tech Elective		3
	Hours	**15**
Spring Term 3		
ENGL 3170 or ENGL 2020	Technical Writing II or Technical Writing I	3
CS 4622	Applied Data Science with Python	3
CS 4771	Python for Machine Learning	3
GenEd Social/Behavioral		3

Tech Elective		3
	Hours	**15**
Senior		
Fall Term 4		
AIML 4800	Course AIML 4800 Not Found (Senior Capstone I)	3
CS 4715	Deep Learning	3
GenEd Social/Behavioral		3
Tech Elective		3
Tech Elective		3
	Hours	**15**
Spring Term 4		
AIML 4010	Course AIML 4010 Not Found (Senior Seminar)	1
AIML 4810	Course AIML 4810 Not Found (Senior Capstone II)	3
CS 4701	Artificial Intelligence	3
CS 4741	Natural Language Processing	3
TECH ELECTIVE	Course TECH ELECTIVE Not Found	3
	Hours	**13**
	Total Hours	**120**

Catalog Program Description:

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Key: 620

Program Resource Requirements.

- Indicate all resources needed including the planned FTE enrollment, projected revenues, and estimated expenditures for the first **four** fiscal years of the program
- Include reallocation of existing personnel and resources and anticipated or requested new resources.
- Second and third year estimates should be in constant dollars.
- Amounts should reconcile subsequent pages where budget explanations are provided.
- If the program is contract related, explain the fiscal sources and the year-to-year commitment from the contracting agency(ies) or party(ies).
- Provide an explanation of the fiscal impact of any proposed discontinuance to include impacts to faculty (i.e., salary savings, re-assignments).

Start FY **21**

I. PLANNED STUDENT ENROLLMENT

	FY 26		FY 27		FY 28		FY 29	
	FTE	Headcount	FTE	Headcount	FTE	Headcount	FTE	Headcount
A. New enrollments	8	8	20	20	27	27	32	32
B. Shifting enrollments	0	0	8	8	26	26	48	48
Total Enrollment	**8**	**8**	**28**	**28**	**53**	**53**	**80**	**80**

II. REVENUE

	FY 26		FY 27		FY 28		FY 29	
	On-going	One-time	On-going	One-time	On-going	One-time	On-going	One-time
1. New Appropriated Funding Reques	-	-	-	-	-	-	-	-
2. Institution Funds	-	-	-	-	-	-	-	-
3. Federal	-	-	-	-	-	-	-	-
4. New Tuition Revenues from Increased Enrollments	100,858	N/A	353,002	N/A	466,738	N/A	914,762	N/A
5. Student Fees	-	N/A	-	N/A	-	N/A	-	N/A
6. Other (i.e., Gifts)	-	-	-	-	-	-	-	-
Total Revenue	100,858	-	353,002	-	466,738	-	914,762	-

Ongoing is defined as ongoing operating budget for the program which will become part of the base.
One-time is defined as one-time funding in a fiscal year and not part of the base.

III. EXPENDITURES

	FY 26		FY 27		FY 28		FY 29	
	On-going	One-time	On-going	One-time	On-going	One-time	On-going	One-time
A. Personnel Costs								
1. FTE	0	N/A	0	N/A	0	N/A	0	N/A
2. Faculty	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
3. Adjunct Faculty	$ 44,010	$ -	$ 44,010		$ 44,010		$ 44,010	$ -
4. Graduate/Undergrad Assistants	$ -	N/A	$ -	$ -	$ -	$ -	$ -	$ -
5. Research Personnel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6. Directors/Administrators		N/A		N/A		N/A		N/A
7. Administrative Support Personnel	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8. Fringe Benefits	$ -	N/A	$ -	N/A	$ -	N/A	$ -	N/A
9. Other:	$ -	N/A	$ -	N/A	$ -	N/A	$ -	N/A
Total Personnel and Costs	$ 44,010	$ -	$ 44,010	$ -	$ 44,010	$ -	$ 44,010	$ -

	FY 26		FY 27		FY 28		FY 29	
	On-going	One-time	On-going	One-time	On-going	One-time	On-going	One-time
B. Operating Expenditures								
1. Travel	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2. Professional Services	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
3. Other Services	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4. Communications	$ 500	$ 2,000	$ 500	$ -	$ 500	$ -	$ 500	$ -
5. Materials and Supplies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6. Rentals	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7. Materials & Goods for Manufacture & Resale	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8. Miscellaneous	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Operating Expenditures	$ 500	$ 2,000	$ 500	$ -	$ 500	$ -	$ 500	$ -

	FY 26		FY 27		FY 28		FY 29	
	On-going	One-time	On-going	One-time	On-going	One-time	On-going	One-time
C. Capital Outlay								
1. Library Resources	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2. Equipment	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total Capital Outlay	$0	$0	$0	$0	$0	$0	$0	$0

	FY 26		FY 27		FY 28		FY 29	
D. Capital Facilities Construction or Major Renovation								

E. Other Costs								
Utilites								
Maintenance & Repairs								
Other								
Total Other Costs	$0	$0	$0	$0	$0	$0	$0	$0
TOTAL EXPENDITURES:	$44,510	$2,000	$44,510	$0	$44,510	$0	$44,510	$0
Net Income (Deficit)	$56,348	-$2,000	$308,492	$0	$422,228	$0	$870,252	$0

Budget Notes (specify row and add explanation where needed; e.g., "I.A.,B. FTE is calculated using..."):

I.A.B.	

Key:	
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Fringe rates (2026):	
Faculty	29.50%
Staff	36.70%
Tempor	10.50%
Studen	3.20%

Est. Hiring Costs	
Tenure-trac	$ 20,000
Clinical	$ 20,000
Tech. staff	$ 20,000

Estimated hiring salaries	
Tenure-track (yearly)	$ 110,000
Clinical (yearly)	$ 85,000
Technical staff (yearly)	$ 65,000
Graduate assistant	$ 16,500

Est. Startup Costs	
Tenure-traci	$ 100,000
Clinical	$ 10,000
Tech. staff	$ 10,000

Coefficients	
Inflation adj	0%
Grad. Healt	$ 2,016

Totals			Ongoing FY 26		One-Time	Ongoing FY 27		One-Time	Ongoing FY 28		One-Time	Ongoing FY 29		One-Time
FTE			Salaries	Fringe	Other	Salaries	Fringe	Other	Salaries	Fringe	Other	Salaries	Fringe	Other
0		Totals	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

2. Faculty				Ongoing FY 26		One-Time	Ongoing FY 27		One-Time	Ongoing FY 28		One-Time	Ongoing FY 29		One-Time
			Totals	Salaries $ -	Fringe $ -	Other $ -	Salaries $ -	Fringe $ -	Other $ -	Salaries $ -	Fringe $ -	Other $ -	Salaries $ -	Fringe $ -	Other $ -
0	Tenure-track faculty	Moscow	Salary	$ -			$ -			$ -			$ -		
			Fringe		$ -			$ -			$ -			$ -	
			Hiring									N/A			N/A
			Startup			$ -						$ -			$ -
0	Tenure-track faculty	Idaho Falls	Salary				$ -			$ -			$ -		
			Fringe					$ -			$ -			$ -	
			Hiring						$ -			N/A			N/A
			Startup						$ -			$ -			$ -
0	Tenure-track faculty	Coeur d'Alene	Salary	$ -			$ -			$ -			$ -		
			Fringe		$ -			$ -			$ -			$ -	
			Hiring			$ -			$ -			$ -			N/A
			Startup						$ -			$ -			$ -
0	Clinical faculty	Moscow	Salary	$ -			$ -			$ -			$ -		
			Fringe		$ -			$ -			$ -			$ -	
			Hiring			$ -			N/A			N/A			N/A
			Startup			$ -						N/A			N/A
0	Clinical faculty	Idaho Falls	Salary				$ -			$ -			$ -		
			Fringe					$ -			$ -			$ -	
			Hiring			$ -			N/A			N/A			N/A
			Startup						$ -			N/A			N/A
0	Clinical faculty	Coeur d'Alene	Salary				$ -			$ -			$ -		
			Fringe					$ -			$ -			$ -	
			Hiring			$ -			N/A			N/A			N/A
			Startup						$ -			N/A			N/A

4. Graduate/Undegraduate Assistants				Ongoing FY 26		Ongoing	Ongoing FY 27		Ongoing	Ongoing FY 28		Ongoing	Ongoing FY 29		Ongoing
			Totals	Salaries $ -	Fringe $ -	Other $ -	Salaries $ -	Fringe $ -	Other $ -	Salaries $ -	Fringe $ -	Other $ -	Salaries $ -	Fringe $ -	Other $ -
	Teaching assistant	Moscow	Salary	$ -		Health	$ -			$ -			$ -		
			Fringe		$ -	Insurance		$ -			$ -			$ -	
			Health insurance			$ -			$ -			$ -			$ -
0															
	Teaching assistant	Idaho Falls	Salary	$ -			$ -			$ -			$ -		
			Fringe		$ -			$ -			$ -			$ -	
			Health insurance			$ -			$ -			$ -			$ -
0	0	0	0												
	Teaching assistant	Coeur d'Alene	Salary	$ -			$ -			$ -			$ -		
			Fringe		$ -			$ -			$ -			$ -	
			Health insurance			$ -			$ -			$ -			$ -
0	0	0	0												

7. Administrative Support Personnel				Ongoing FY 26		One-Time	Ongoing FY 27		One-Time	Ongoing FY 28		One-Time	Ongoing FY 29		One-Time
			Totals	Salaries $ -	Fringe $ -	Other $ -	Salaries $ -	Fringe $ -	Other $ -	Salaries $ -	Fringe $ -	Other $ -	Salaries $ -	Fringe $ -	Other $ -
0	Info. Tech. Staff	Moscow	Salary	$ -			$ -			$ -			$ -		
			Fringe		$ -			$ -			$ -			$ -	
			Hiring			$ -			N/A			N/A			N/A
			Startup												
0	Info. Tech. Staff	Idaho Falls	Salary	$ -			$ -			$ -			$ -		
			Fringe		$ -			$ -			$ -			$ -	
			Hiring			-			N/A			N/A			N/A
			Startup												
0	Info. Tech. Staff	Coeur d'Alene	Salary	$ -			$ -			$ -			$ -		
			Fringe		$ -			$ -			$ -			$ -	
			Hiring			$ -			N/A			N/A			N/A
			Startup												

Key:	
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Cost estimates:	
Computing services licensing and maintenance (per server/ p	$ -
Computing services supplies (per server/ per year)	$ -
Network switch service and maintenance (per switch/ per yea	$ -
Networking supplies (per switch/ per year)	$ -
Computer clients licensing and maintenance (per desktop/ pe	$ -
Computer clients supplies (per desktop/ per year)	$ -

Coefficients		
Inflation adj.		0%
Travel for recruiting		$ -
Advertising	One-time	$ 2,000
	Yearly	$ 500

Totals	Ongoing FY 26	One-Time	Ongoing FY 27	One-Time	Ongoing FY 28	One-Time	Ongoing FY 29	One-Time
Totals	$ 500	$ 2,000	$ 500	$ -	$ 500	$ -	$ 500	$ -

1. Travel	Ongoing FY 26	One-Time	Ongoing FY 27	One-Time	Ongoing FY 28	One-Time	Ongoing FY 29	One-Time
Totals	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Travel for student recruting	$ - $ -		$ - $ -		$ - $ -		$ - $ -	

4. Communications	Ongoing FY 26	One-Time	Ongoing FY 27	One-Time	Ongoing FY 28	One-Time	Ongoing FY 29	One-Time
Totals	$ 500	$ 2,000	$ 500	$ -	$ 500	$ -	$ 500	$ -
New program advertising	$ 500	$ 2,000	$ 500		$ 500		$ 500	

5. Materials and Supplies	Ongoing FY 26	One-Time	Ongoing FY 27	One-Time	Ongoing FY 28	One-Time	Ongoing FY 29	One-Time
Totals	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
0 Computing services Moscow								
Licensing and maintenance	$ - $ -	Maintenance	$ - $ -		$ - $ -		$ - $ -	
Supplies	$ - $ -	Supplies	$ - $ -		$ - $ -		$ - $ -	
0 Computing services Idaho Falls								
Licensing and maintenance	$ - $ -	Maintenance	$ - $ -		$ - $ -		$ - $ -	
Supplies	$ - $ -	Supplies	$ - $ -		$ - $ -		$ - $ -	
0 Computing services Coeur d'Alene								
Licensing and maintenance	$ - $ -	Maintenance	$ - $ -		$ - $ -		$ - $ -	
Supplies	$ - $ -	Supplies	$ - $ -		$ - $ -		$ - $ -	
0 Networking All campuses								
Network switch service and license maint.	$ - $ -	Maintenance	$ - $ -		$ - $ -		$ - $ -	
Networking supplies.	$ - $ -	Supplies	$ - $ -		$ - $ -		$ - $ -	
0 Computer clients Moscow								
5 General Computer Lab in JEB-321	$ - $ -	Maintenance	$ - $ -		$ - $ -		$ - $ -	
9 RADICL Secure Lab in JEB-006	$ - $ -	Supplies	$ - $ -		$ - $ -		$ - $ -	
0 Computer clients Idaho Falls								
0 Teaching Computer Lab in CHE-204	$ - $ -	Maintenance	$ - $ -		$ - $ -		$ - $ -	
0 RADICL Secure Lab in CHE-104	$ - $ -	Supplies	$ - $ -		$ - $ -		$ - $ -	
0 Computer clients Coeur d'Alene								
0 RADICL Lab in CdA in Hedlands	$ - $ -	Maintenance	$ - $ -		$ - $ -		$ - $ -	
0 RADICL Secure Lab in Hedlands	$ - $ -	Supplies	$ - $ -		$ - $ -		$ - $ -	

Key:	
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Cost estimates:	
Yearly renewal cost per server	$ 3,000
Purchase cost per server	$ 15,000
Yearly renewal cost per switch w/optic	$ 900
Purchase cost per switch w/optics	$ 4,500
Yearly renewal cost per desktop client	$ 333
Purchase cost per desktop client	$ 1,000

Coefficients	
Inflation adj.	0%

Totals	Ongoing FY 26	One-Time Other	Ongoing FY 27	One-Time Other	Ongoing FY 28	One-Time Other	Ongoing FY 29	One-Time Other
Totals	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

2. Equipment			Ongoing FY 26	One-Time	Ongoing FY 27	One-Time	Ongoing FY 28	One-Time	Ongoing FY 29	One-Time
	Totals		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
0	Computer servers	Moscow	$ -		$ -		$ -		$ -	
0	Computer servers	Idaho Falls	$ -		$ -		$ -		$ -	
				$ -						
0	Computer servers	Coeur d'Alene								
				$ -						
0	Networking	All campuses	$ -		$ -		$ -		$ -	
	Networking switches renewal cycle									
0	Computer clients	Moscow								
0			$ -		$ -		$ -		$ -	
0			$ -		$ -		$ -		$ -	
0	Computer clients	Idaho Falls								
0			$ -	$ -	$ -		$ -		$ -	
0			$ -	$ -	$ -		$ -		$ -	
0	Computer clients	Coeur d'Alene								
0			$ -	$ -	$ -		$ -		$ -	
0			$ -	$ -	$ -		$ -		$ -	
0	Video Conference	Moscow								
				$ -						
				$ -						

Key:	
Input $	Input cells have yellow background
Input #	Input for projected enrollment

Student Tuition: 2025-2026	
In-State Tuition UG	$ 7,028
Out-of-State Tuition UG	$ 26,264
In-State Tuition GR	$ 8,760
Out-of-State Tuition UG	$ 27,996

Coefficients	
Inflation adj.	0%
Estimated course fees per student per year	

EO	
EO fee/credit	$ 263.00
Per course	$ 789.00
Per semester 4 courses	$ 3,156.00

I. Planned Enrollments		FTE FY 26		FTE FY 27		FTE FY 28		FTE FY 29	
New enrollments	Moscow	8		20		22		24	
Shifting enrollments	Moscow		0		8		26		43
New enrollments	Idaho Falls								
Shifting enrollments	Idaho Falls		0						
New enrollments	Coeur d'Alene					5		8	
Shifting enrollments	Coeur d'Alene		0				0		5
New enrollments	EO								
Shifting enrollments	EO		0						
	Total New	8		20		27		32	
	Total Shifting		0		8		26		48
	Total		8		28		53		80

II. Revenue Totals		Ongoing FY 26		Ongoing FY 27		Ongoing FY 28		Ongoing FY 29	
	Totals								

4. New Tuition Revenue			Enrollment FY 26	Revenue 26		Enrollment FY 27	Revenue 27		Enrollment FY 28	Revenue 28		Enrollment FY 29	Revenue 29	
Expected tuituon revenues from enrolled students with given estimates of resident/non-resident ratios and tuition costs.	Totals			$ 100,858			$ 353,002			$ 466,738			$ 914,762	
Resident ratio														
0.80	New in-state	Moscow	6.40	$ 56,064	$ 8,760	22.40	$ 196,224	$ 8,760	17.60	$ 154,176	$ 8,760	53.60	$ 469,536	$ 8,760
0.20	New out-of-state	Moscow	1.60	$ 44,794	$ 27,996	5.60	$ 156,778	$ 27,996	9.60	$ 268,762	$ 27,996	13.40	$ 375,146	$ 27,996
0.80	New in-state	Idaho Falls	0.00	$ -	$ 8,760	0.00	$ -	$ 8,760	0.00	$ -	$ 8,760	0.00	$ -	$ 8,760
0.20	New out-of-state	Idaho Falls	0.00	$ -	$ 27,996	0.00	$ -	$ 27,996	0.00	$ -	$ 27,996	0.00	$ -	$ 27,996
1.00	New in-state	Coeur d'Alene	0.00	$ -	$ 8,760	0.00	$ -	$ 8,760	5.00	$ 43,800	$ 8,760	8.00	$ 70,080	$ 8,760
0.00	New out-of-state	Coeur d'Alene	0.00	$ -	$ 27,996	0.00	$ -	$ 27,996	0.00	$ -	$ 27,996	0.00	$ -	$ 27,996
1.00	New EO		0.00	$ -	$ 8,760	0.00	$ -	$ 8,760	0.00	$ -	$ 8,760	0.00	$ -	$ 8,760

5. Student Fees			Enrollment FY 26	Revenue 26		Enrollment FY 27	Revenue 27		Enrollment FY 28	Revenue 28		Enrollment FY 29	Revenue 29	
	Totals			$ -			$ -			$ -			$ -	
		Moscow	8.00	$ -	$ -	20.00	$ -	$ -	22.00	$ -	$ -	24.00	$ -	$ -
		Idaho Falls	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -
		Coeur d'Alene	0.00	$ -	$ -	0.00	$ -	$ -	5.00	$ -	$ -	8.00	$ -	$ -
								$ -			$ -			$ -
		EO	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -
								$ -			$ -			$ -

DEGREE PLAN

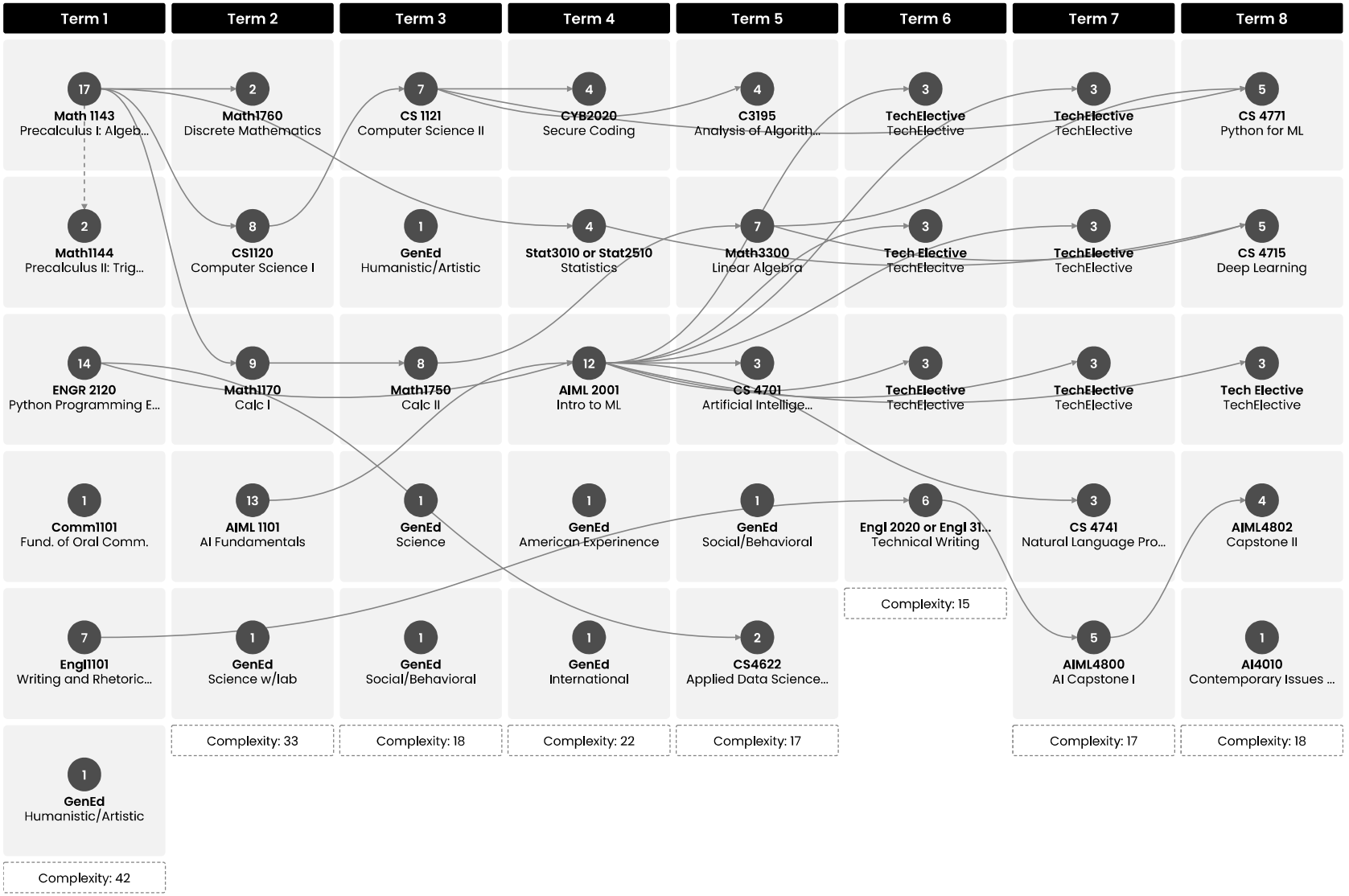
Bachelor's in AI

tsoule@uidaho.edu | Bachelor's in AI | 2027

Complexity 182 | Credit Hours 120

Graph | Edit | Delete

Click on an item to pin its metrics



University of Idaho
Curriculum Plan
(B.S.) Artificial Intelligence: AI Cyber

Successful completion of the requirements in 2026-2027 catalog year requirements will lead to a B.S. in Artificial Intelligence: AI Cyber from the University of Idaho.

Freshman

Fall Semester			Credit		Spring Semester			Credit	
COMM	1101		3	OC	MATH	1170		4	M
ENGL	1101		3	WC	MATH	1760		3	
MATH	1143		3	M	AIML	1101		3	
MATH	1144		1		CS	1121		3	
CS	1120		4	M	~~M ELEC~~		~~Technical Elective~~		
ELEC		HUMANITIES	3	H	**ENGL**	**1102**		**3**	**WC**
Total			17		Total			16	

Sophomore

Fall Semester			Credit		Spring Semester			Credit	
MATH	1750		4		STAT		3010 or 2510	3	
ENGR	2120		3		AIML	2001		3	
ELEC		SCIENCE	4	NS	CYB	2200		3	
CYB	1100	Technical Elective	3		ELEC		HUMANITIES	3	H
CS	**1550**	**(CS 2240 req pre-req)**	**3**		ELEC		CORS SCIENCE	3	NS
Total			17		Total			15	

Junior Year

Fall Semester			Credit		Spring Semester			Credit	
MATH	3300		3		ENGL		3170 or 2020	3	
CS	3195		3		CS	4622		3	
ELEC		INTERNATIONAL	3	IN	CS	4771		3	
~~ELEC~~		~~AMERICAN EXPERIENCE~~		~~AE~~	ELEC		SOCIAL SCI	3	SS
CYB	2100	Technical Elective	3		CYB	3100	Technical Elective	3	
CS	**2240**	**CYB 3100 pre-req**	**3**		**ELEC**		**AMERICAN EXPERIENCE**	**3**	**AE**
CS	**2230**	**CS 2240 co-req**	**3**						
Total			18		Total			18	

Senior

Fall Semester			Credit		Spring Semester			Credit	
AIML	4800		3		AIML	4010		1	
CS	4715		3		AIML	4810		3	CS
ELEC		SOCIAL SCI	3	SS	CS	4701		3	
CYB	3300	Technical Elective	3		CS	4741		3	
CYB	4400	Technical Elective	3		CYB	3400	Technical Elective	3	
					CYB	**4442**	**Technical Elective**	**3**	
Total			15		Total			16	

Color Key

- Major Requirements
- Core Requirements (if applicable)
- General Education Requirements
- BA/BS Requirements (CLASS only)

General Education Checklist		
WC	Written English	6 cr
OC	Oral Communication	2-3 cr
NS	Science	7-8 cr
M	Math	3 cr
H	Humanities	6 cr
SS	Social Science	6 cr
AE	American Experience	3 cr
IN	International	3 cr
CS	Capstone Experience	varies

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University of Idaho
Curriculum Plan
(B.S.) Artificial Intelligence: Secure AI

Successful completion of the requirements in 2026-2027 catalog year requirements will lead to a B.S. in Artificial Intelligence: Secure AI from the University of Idaho.

Freshman

Fall Semester			Credit		Spring Semester			Credit	
COMM	1101		3	OC	MATH	1170		4	M
ENGL	1101		3	WC	MATH	1760		3	
MATH	1143		3	M	AIML	1101		3	
MATH	1144		1		CS	1121		3	
CS	1120		4	M	~~M ELEC~~		~~Technical Elective~~		
ELEC		HUMANITIES	3	H	**ENGL**	**1102**		**3**	**WC**
Total			17		Total			16	

Sophomore

Fall Semester			Credit		Spring Semester			Credit	
MATH	1750		4		STAT		3010 or 2510	3	
ENGR	2120		3		AIML	2001		3	
ELEC		SCIENCE	4	NS	CYB	2200		3	
CS	1550	Technical Elective	3		ELEC		HUMANITIES	3	H
CYB	**1100**	**(CYB 2100 req pre-req)**	**3**		ELEC		CORS SCIENCE	3	NS
					CYB	**2100**	**(CYB 3300 req pre-req)**	**3**	
Total			17		Total			18	

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Junior Year

Fall Semester			Credit		Spring Semester			Credit	
MATH	3300		3		ENGL		3170 or 2020	3	
CS	3195		3		CS	4622		3	
ELEC		INTERNATIONAL	3	IN	CS	4771		3	
ELCE		AMERICAN EXPERIENCE	3	AE	ELEC		SOCIAL SCI	3	SS
CS	2240	Technical Elective	3		CYB	3100	Technical Elective	3	
CS	**2230**	**(CS 2240 req co-req)**	**3**						
Total			18		Total			15	

Senior

Fall Semester			Credit		Spring Semester			Credit	
AIML	4800		3		AIML	4010		1	
CS	4715		3		AIML	4810		3	CS
ELEC		SOCIAL SCI	3	SS	CS	4701		3	
CYB	3300	Technical Elective	3		CS	4741		3	
CYB	3500	Technical Elective	3		CYB	3400	Technical Elective	3	
					CS	**4727**	**Technical Elective**	**3**	
Total			15		Total			16	

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Color Key

- Major Requirements
- Core Requirements (if applicable)
- General Education Requirements
- BA/BS Requirements (CLASS only)

General Education Checklist		
WC	Written English	6 cr
OC	Oral Communication	2-3 cr
NS	Science	7-8 cr
M	Math	3 cr
H	Humanities	6 cr
SS	Social Science	6 cr
AE	American Experience	3 cr
IN	International	3 cr
CS	Capstone Experience	varies

University of Idaho
Curriculum Plan
(B.S.) Artificial Intelligence: Robotics AI

Successful completion of the requirements in 2026-2027 catalog year requirements will lead to a B.S. in Artificial Intelligence: Robotics AI from the University of Idaho.

Freshman

Fall Semester			Credit		Spring Semester			Credit	
COMM	1101		3	OC	MATH	1170		4	M
ENGL	1101		3	WC	MATH	1760		3	
MATH	1143		3	M	AIML	1101		3	
MATH	1144		1		CS	1121		3	
CS	1120		4	M	~~M ELEC~~		~~Technical Elective~~		
ELEC		HUMANITIES	3	H	**ENGL**	**1102**		**3**	**WC**
Total			17		Total			16	

Sophomore

Fall Semester			Credit		Spring Semester			Credit	
MATH	1750		4		STAT		3010 or 2510	3	
ENGR	2120		3		AIML	2001		3	
ELEC		SCIENCE	4	NS	CYB	2200		3	
CS	1550	(Technical Elective)	3		ELEC		HUMANITIES	3	H
					ELEC		CORS SCIENCE	3	NS
Total			14		Total			15	

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Junior Year

Fall Semester			Credit		Spring Semester			Credit	
MATH	3300		3		ENGL		3170 or 2020	3	
CS	3195		3		CS	4622		3	
ELEC		INTERNATIONAL	3	IN	CS	4771		3	
ELCE		AMERICAN EXPERIENCE	3	AE	ELEC		SOCIAL SCI	3	SS
CS	2XXX	Technical Elective	3		CS	2240	Technical Elective	3	
					CS	**2230**	**(required co-req CS 2240)**	3	
Total			15		Total			18	

Senior

Fall Semester			Credit		Spring Semester			Credit	
AIML	4800		3		AIML	4010		1	
CS	4715		3		AIML	4810		3	CS
ELEC		SOCIAL SCI	3	SS	CS	4701		3	
M ELEC		Technical Elective	3		CS	4741		3	
M ELEC		Technical Elective	3		M ELEC		Technical Elective	3	
					M ELEC		**Technical Elective**	**3**	
Total			15		Total			16	

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Color Key

- Major Requirements
- Core Requirements (if applicable)
- General Education Requirements
- BA/BS Requirements (CLASS only)

General Education Checklist		
WC	Written English	6 cr
OC	Oral Communication	2-3 cr
NS	Science	7-8 cr
M	Math	3 cr
H	Humanities	6 cr
SS	Social Science	6 cr
AE	American Experience	3 cr
IN	International	3 cr
CS	Capstone Experience	varies

University of Idaho
Curriculum Plan
(B.S.) Artificial Intelligence: AI Infrastructure & Operations

Successful completion of the requirements in 2026-2027 catalog year requirements will lead to a B.S. in Artificial Intelligence: AI Infrastructure & Operations from the University of Idaho.

Freshman

Fall Semester			Credit		Spring Semester			Credit	
COMM	1101		3	OC	MATH	1170		4	M
ENGL	1101		3	WC	MATH	1760		3	
MATH	1143		3	M	AIML	1101		3	
MATH	1144		1		CS	1121		3	
CS	1120		4	M	~~M ELEC~~		~~Technical Elective~~		
ELEC		HUMANITIES	3	H	**ENGL**	**1102**		**3**	**WC**
Total			17		Total			16	

Sophomore

Fall Semester			Credit		Spring Semester			Credit	
MATH	1750		4		STAT		3010 or 2510	3	
ENGR	2120		3		AIML	2001		3	
ELEC		SCIENCE	4	NS	CYB	2200		3	
CS	1550	Technical Elective	3		ELEC		HUMANITIES	3	H
CYB	**1100**	**(CYB 2100 req pre-req)**	**3**		ELEC		CORS SCIENCE	3	NS
					CYB	**2100**	**(CYB 3300 req pre-req)**	**3**	
Total			17		Total			18	

Junior Year

Fall Semester			Credit		Spring Semester			Credit	
MATH	3300		3		ENGL		3170 or 2020	3	
CS	3195		3		CS	4622		3	
ELEC		INTERNATIONAL	3	IN	CS	4771		3	
ELCE		AMERICAN EXPERIENCE	3	AE	ELEC		SOCIAL SCI	3	SS
CS	2240	Technical Elective	3		CS	4211	Technical Elective	3	
CS	**2230**	**(CS 2240 req co-req)**	**3**						
Total			18		Total			15	

Senior

Fall Semester			Credit		Spring Semester			Credit	
AIML	4800		3		AIML	4010		1	
CS	4715		3		AIML	4810		3	CS
ELEC		SOCIAL SCI	3	SS	CS	4701		3	
CYB	3300	Technical Elective	3		CS	4741		3	
M ELEC		Technical Elective	3		M ELEC		Technical Elective	3	
					M ELEC		**Technical Elective**	**3**	
Total			15		Total			16	

Color Key

- Major Requirements
- Core Requirements (if applicable)
- General Education Requirements
- BA/BS Requirements (CLASS only)

General Education Checklist		
WC	Written English	6 cr
OC	Oral Communication	2-3 cr
NS	Science	7-8 cr
M	Math	3 cr
H	Humanities	6 cr
SS	Social Science	6 cr
AE	American Experience	3 cr
IN	International	3 cr
CS	Capstone Experience	varies

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University of Idaho
Curriculum Plan
(B.S.) Artificial Intelligence: AI in Data Science

Successful completion of the requirements in 2026-2027 catalog year requirements will lead to a B.S. in Artificial Intelligence: AI in Data Science from the University of Idaho.

Freshman

Fall Semester			Credit		Spring Semester			Credit	
COMM	1101		3	OC	MATH	1170		4	M
ENGL	1101		3	WC	MATH	1760		3	
MATH	1143		3	M	AIML	1101		3	
MATH	1144		1		CS	1121		3	
CS	1120		4	M	~~M ELEC~~		~~Technical Elective~~		
ELEC		HUMANITIES	3	H	ENGL	1102		3	WC
Total			17		Total			16	

Sophomore

Fall Semester			Credit		Spring Semester			Credit	
MATH	1750		4		STAT		3010 or 2510	3	
ENGR	2120		3		AIML	2001		3	
ELEC		SCIENCE	4	NS	CYB	2200		3	
CS	1550	Technical Elective (CS 3600 pre	3		ELEC		HUMANITIES	3	H
					ELEC		CORS SCIENCE	3	NS
Total			14		Total			15	

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Junior Year

Fall Semester			Credit		Spring Semester			Credit	
MATH	3300		3		ENGL		3170 or 2020	3	
CS	3195		3		CS	4622		3	
ELEC		INTERNATIONAL	3	IN	CS	4771		3	
ELCE		AMERICAN EXPERIENCE	3	AE	ELEC		SOCIAL SCI	3	SS
CS	3600	Technical Elective	4		M ELEC		Technical Elective	3	
Total			16		Total			15	

Senior

Fall Semester			Credit		Spring Semester			Credit	
AIML	4800		3		AIML	4010		1	
CS	4715		3		AIML	4810		3	CS
ELEC		SOCIAL SCI	3	SS	CS	4701		3	
CS	4621	Technical Elective	3		CS	4741		3	
M ELEC		Technical Elective	3		CS	4625	Technical Elective	3	
					M ELEC		**Technical Elective**	**3**	
Total			15		Total			16	

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Color Key

- Major Requirements
- Core Requirements (if applicable)
- General Education Requirements
- BA/BS Requirements (CLASS only)

General Education Checklist		
WC	Written English	6 cr
OC	Oral Communication	2-3 cr
NS	Science	7-8 cr
M	Math	3 cr
H	Humanities	6 cr
SS	Social Science	6 cr
AE	American Experience	3 cr
IN	International	3 cr
CS	Capstone Experience	varies

University of Idaho
Curriculum Plan
(B.S.) Artificial Intelligence: General AI

Successful completion of the requirements in 2026-2027 catalog year requirements will lead to a B.S. in Artificial Intelligence: General AI from the University of Idaho.

Freshman

Fall Semester			Credit		Spring Semester			Credit	
COMM	1101		3	OC	MATH	1170		4	M
ENGL	1101		3	WC	MATH	1760		3	
MATH	1143		3	M	AIML	1101		3	
MATH	1144		1		CS	1121		3	
CS	1120		4	M	~~M ELEC~~		~~Technical Elective~~		
ELEC		HUMANITIES	3	H	**ENGL**	**1102**		**3**	**WC**
Total			17		Total			16	

Sophomore

Fall Semester			Credit		Spring Semester			Credit	
MATH	1750		4		STAT		3010 or 2510	3	
ENGR	2120		3		AIML	2001		3	
ELEC		SCIENCE	4	NS	CYB	2200		3	
M ELEC		Technical Elective	3		ELEC		HUMANITIES	3	H
					ELEC		CORS SCIENCE	3	NS
Total			14		Total			15	

Junior Year

Fall Semester			Credit		Spring Semester			Credit	
MATH	3300		3		ENGL		3170 or 2020	3	
CS	3195		3		CS	4622		3	
ELEC		INTERNATIONAL	3	IN	CS	4771		3	
ELCE		AMERICAN EXPERIENCE	3	AE	ELEC		SOCIAL SCI	3	SS
M ELEC		Technical Elective	3		M ELEC		Technical Elective	3	
Total			15		Total			15	

Senior

Fall Semester			Credit		Spring Semester			Credit	
AIML	4800		3		AIML	4010		1	
CS	4715		3		AIML	4810		3	CS
ELEC		SOCIAL SCI	3	SS	CS	4701		3	
M ELEC		Technical Elective	3		CS	4741		3	
M ELEC		Technical Elective	3		M ELEC		Technical Elective	3	
					M ELEC		**Technical Elective**	**3**	
Total			15		Total			16	

Color Key

- Major Requirements
- Core Requirements (if applicable)
- General Education Requirements
- BA/BS Requirements (CLASS only)

General Education Checklist		
WC	Written English	6 cr
OC	Oral Communication	2-3 cr
NS	Science	7-8 cr
M	Math	3 cr
H	Humanities	6 cr
SS	Social Science	6 cr
AE	American Experience	3 cr
IN	International	3 cr
CS	Capstone Experience	varies

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Attach. #3

In Workflow

1. **131 Chair**
2. **08 Curriculum Committee Chair**
3. **08 Dean**
4. **Assessment**
5. **DLI**
6. **Provost Q 1**
7. **Degree Audit Review**
8. **Registrar's Office**
9. **Ready for UCC**
10. **UCC**
11. **Faculty Senate Chair**
12. Provost Q 2
13. State Approval
14. NWCCU
15. Catalog Update

Approval Path

1. Wed, 10 Dec 2025 22:53:01 GMT
   Steve Wang (stevew): Approved for 131 Chair
2. Tue, 16 Dec 2025 00:03:58 GMT
   Gabriel Potirniche (gabrielp): Approved for 08 Curriculum Committee Chair
3. Tue, 16 Dec 2025 00:07:31 GMT
   Suzanna Long (long): Approved for 08 Dean
4. Tue, 16 Dec 2025 18:07:57 GMT
   Christine Slater (cslater): Approved for Assessment
5. Wed, 17 Dec 2025 23:30:30 GMT
   Nicole Remy (nremy): Approved for DLI
6. Thu, 08 Jan 2026 21:23:21 GMT
   Sande Schlueter (sandeschlueter): Approved for Provost Q 1
7. Fri, 16 Jan 2026 18:54:53 GMT
   Rebecca Frost (rfrost): Approved for Degree Audit Review
8. Tue, 20 Jan 2026 17:57:57 GMT
   Anna Hall (annahall): Approved for Registrar's Office
9. Thu, 22 Jan 2026 18:08:52 GMT
   Anna Hall (annahall): Approved for Ready for UCC
10. Wed, 28 Jan 2026 17:05:59 GMT
    Anna Hall (annahall): Approved for UCC

New Program Proposal

Date Submitted: Wed, 10 Dec 2025 22:39:39 GMT

Viewing: 621 : Artificial Intelligence Minor

Last edit: Wed, 28 Jan 2026 17:05:44 GMT

Changes proposed by: Steve Wang

Faculty Contact

Faculty Name		Faculty Email
Steve	Wang	

Will this request have a fiscal impact of $250K or greater?

No

Academic Level
Undergraduate

College
Engineering

Department/Unit:
Computer Science

Effective Catalog Year
2026-2027

Program Title
Artificial Intelligence Minor

Degree Type
Minor

Please note: Majors and certificates over 30 credits need to have a appropriate SBOE form approved before the program can be created in curriculum.

Program Credits
19

Attach Program Change

CIP Code
11.0102 - Artificial Intelligence.

Will the program be self-support?

No

Will the program have a professional fee?

No

Will the program have an institutional online program fee?

No

Will this program lead to licensure in any state?

No

Will the program be a statewide responsibility?

No

Financial Information

What is the financial impact of the request?

Less than $250,000 per FY

Note: If financial impact is greater than $250,000, you must complete a program proposal form.

Describe the financial impact

Curriculum:

Course List

Code	Title	Hours
ENGR 2120	Python Programming Essentials	3
AIML 1101	Course AIML 1101 Not Found (AI Fundamentals)	3
AIML 2001	Course AIML 2001 Not Found (Intro to Machine Learning)	3
AIML 4010	Course AIML 4010 Not Found (Senior Seminar)	1
CS 4771	Python for Machine Learning	3
Select 2 courses from the list below:		6
CS 4622	Applied Data Science with Python	
CS 4701	Artificial Intelligence	
CS 4715	Deep Learning	
CS 4741	Natural Language Processing	

Course List

Code	Title	Hours
Total Hours		19

Courses to total 19 credits for this minor

Catalog Program Description:

The Artificial Intelligence (AI) Minor provides students from any major with foundational and applied skills in AI, machine learning, and data-driven problem solving. This interdisciplinary minor equips students with practical programming experience, theoretical understanding of modern AI methods, and exposure to advanced techniques such as deep learning and natural language processing. Students learn to apply AI tools responsibly and effectively within their fields, enhancing their competitiveness in a rapidly evolving, technology-driven workforce.

The minor includes core coursework in Python programming, AI fundamentals, and machine learning, followed by advanced electives that allow students to tailor their experience to their academic and professional interests. Whether students plan to pursue careers in engineering, business, science, the humanities, or the arts, the AI Minor offers valuable skills applicable across all disciplines.

Distance Education Availability

To comply with the requirements of the Idaho State Board of Education (SBOE) and the Northwest Commission on Colleges and Universities (NWCCU) the University of Idaho must declare whether 50% or more of the curricular requirements of a program which may be completed via distance education.

Can 50% or more of the curricular requirements of this program be completed via distance education?

No

Geographical Area Availability

In which of the following geographical areas can this program be completed in person?

Coeur d'Alene
Moscow

Student Learning Outcomes

Learning Objectives

Three student learning outcomes (LOs) are identified for students in the AI minor:

1. Apply fundamental concepts, techniques, and tools in artificial intelligence and machine learning to identify, analyze, and solve problems within their disciplinary domain.
2. Develop and implement AI and machine learning models using Python and related software libraries, and evaluate model performance using appropriate quantitative and qualitative metrics.
3. Explain and assess the ethical, societal, and practical implications of AI technologies and demonstrate responsible use of AI methods in real-world applications.

Student Learning Outcomes

Describe the assessment process that will be used to evaluate how well students are achieving the intended learning outcomes of the program component.

Two courses have been selected to assess the student learning outcomes (LOs) for the B.S. in AI program:
• AIML 4010 Senior Seminar is used to assess LO3.
• CS 4771 Python for Machine Learning is used to assess LO1 and LO2.

How will you ensure that the assessment findings will be used to improve the program?

The Department of Computer Science currently offers two undergraduate programs: an ABET-accredited Computer Science program and a Cybersecurity program that is in the process of obtaining ABET accreditation, with approval anticipated in Fall 2026. The department has an established, documented process for assessment and evaluation. The proposed B.S. in AI program is aligned with the ABET CAC General Criteria for Computer Science, and we intend to apply for ABET accreditation once ABET releases the program-specific criteria for AI.

Student achievement of learning outcomes is evaluated through multiple direct measures each semester as part of the department's assessment cycle. Assessment data are reviewed at the end of each spring semester and stored in a shared departmental repository. Faculty review and discussion of the findings occur during regular department meetings, at the department's annual fall retreat, and in consultation with the Industrial Advisory Board each spring. Faculty input from these evaluations is incorporated into the program's analysis and used to inform and guide continuous curriculum improvement.

What direct and indirect measures will be used to assess student learning?

Both direct and indirect measures will be used to assess student learning outcomes.
• Direct measures: Faculty will select representative materials from the courses, such as

assignments, projects, quizzes, exams, and presentations, to assess student learning outcomes.
• Indirect measures: The indirect measures include student feedback gathered through academic advising, faculty interactions with students throughout the program, and interviews with students who have completed or are enrolled in the AI minor.

When will assessment activities occur and at what frequency?

Assessment will be conducted each year in the selected course at the conclusion of the course.

A clearly stated rationale for this proposal must be included or the University Curriculum Committee will return the proposal for completion of this section. The rational should provide a detailed summary of the proposed change(s). In addition, include a statement in the rationale regarding how the department will manage the added workload, if any.

Artificial intelligence (AI) is transforming every sector of industry, and demand for AI-related skills continues to grow across all professional fields. The proposed AI minor provides students from any major at the University of Idaho with the opportunity to develop foundational and applied AI competencies that will enhance their career readiness and competitiveness in the job market after graduation. Because AI is inherently interdisciplinary, this minor is designed to serve students in engineering, business, agriculture, health, the sciences, the humanities, and other fields who seek to integrate AI knowledge into their disciplines.

The minor relies primarily on existing courses and instructional capacity within the College of Engineering, and the department will manage the additional workload within current resources. No new faculty or course sections are required to offer the minor.

Supporting Documents
621_ Artificial Intelligence Minor.pdf

Reviewer Comments
Anna Hall (annahall) (Wed, 28 Jan 2026 17:05:44 GMT): Per UCC, effective term was updated from summer 2027 to summer 2026. Note: AIML 1101, AIML 2001, and AIML 4010 have been approved and created in CIM but still show as "not found" in the curriculum since they have not yet populated in the system.

Key: 621

621: ARTIFICIAL INTELLIGENCE MINOR

New Program Proposal
Changes saved but not submitted
Viewing: 621 : Artificial Intelligence Minor
Last edit: Tue, 09 Dec 2025 20:43:30 GMT

Faculty Contact

Faculty Name	Faculty Email
Steve	Wang

Will this request have a fiscal impact of $250K or greater?
No

Academic Level
Undergraduate

College
Engineering

Department/Unit:
Computer Science

Effective Catalog Year
2027-2028

Program Title
Artificial Intelligence Minor

Degree Type
Minor

Please note: Majors and certificates over 30 credits need to have a appropriate SBOE form approved before the program can be created in curriculum.

Program Credits
19

CIP Code
11.0102 - Artificial Intelligence.

Will the program be self-support?
No

Will the program have a professional fee?
No

Will the program have an institutional online program fee?
No

Will this program lead to licensure in any state?
No

Will the program be a statewide responsibility?
No

Financial Information

What is the financial impact of the request?
Less than $250,000 per FY

Note: If financial impact is greater than $250,000, you must complete a program proposal form.

Curriculum:

Code	Title	Hours
ENGR 2120	Python Programming Essentials	3
AIML 1101	Course AIML 1101 Not Found (AI Fundamentals)	3
AIML 2001	Course AIML 2001 Not Found (Intro to Machine Learning)	3
AIML 4010	Course AIML 4010 Not Found (Senior Seminar)	1
CS 4771	Python for Machine Learning	3
Select 2 courses from the list below:		6
CS 4622	Applied Data Science with Python	
CS 4701	Artificial Intelligence	
CS 4715	Deep Learning	
CS 4741	Natural Language Processing	
Total Hours		**19**

Catalog Program Description:

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Student Learning Outcomes

Describe the assessment process that will be used to evaluate how well students are achieving the intended learning outcomes of the program component.

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• Indirect measures: The indirect measures include student feedback gathered through academic advising, faculty interactions with students throughout the program, and interviews with students who have completed or are enrolled in the AI minor.

When will assessment activities occur and at what frequency?

Assessment will be conducted each year in the selected course at the conclusion of the course.

A clearly stated rationale for this proposal must be included or the University Curriculum Committee will return the proposal for completion of this section. The rational should provide a detailed summary of the proposed change(s). In addition, include a statement in the rationale regarding how the department will manage the added workload, if any.

Artificial intelligence (AI) is transforming every sector of industry, and demand for AI-related skills continues to grow across all professional fields. The proposed AI minor provides students from any major at the University of Idaho with the opportunity to develop foundational and applied AI competencies that will enhance their career readiness and competitiveness in the job market after graduation. Because AI is inherently interdisciplinary, this minor is designed to serve students in engineering, business, agriculture, health, the sciences, the humanities, and other fields who seek to integrate AI knowledge into their disciplines.

The minor relies primarily on existing courses and instructional capacity within the College of Engineering, and the department will manage the additional workload within current resources. No new faculty or course sections are required to offer the minor.

Key: 621