

Campus Curricula Committee Meeting Agenda

October 13, 2026

8:15am - 9:30am, Fulton Hall 120

(For Faculty Senate Meeting of November 12, 2026)

Review of submitted Course Change forms:

File: 6472 ERP 5510 : ERP System Administration and Enterprise Security

File: 647 MATH 5154 : Mathematical Logic I

Review of submitted Program Change forms:

File: 253 AI-MI : Minor in Artificial Intelligence and Machine Learning in Business

File: 153 CP ENG-BS : Computer Engineering BS

Review of submitted Experimental Course forms:

File: 573 BIO SCI 5001.030 : Advanced Human Endocrinology

File: 572 COMP SCI 1001.019 : Artificial Intelligence Literacy

File: 553 MATH 5001.012 : Probabilistic Graphical Models in Machine Learning

New Business:

- Pending feedback from RP&A

Course Change Request

Date Submitted: 09/05/26 8:20 am

Viewing: **ERP 5510 : ERP System Administration**
and Enterprise Security

Last edit: 09/10/26 11:41 am

Changes proposed by: Cecil Eng Huang Chua (cecq8z)

Programs
referencing this
course

ERP-CT: Enterprise Resource Plan CT

Requested Effective Date	Fall 2027
Department	Jaggi School of Business (RBUS&IT)
Discipline	Enterprise Resource Planning (ERP)
Course Number	5510
Title	ERP System Administration <u>and Enterprise Security</u>
Abbreviated Course Title	ERP <u>Security</u> System Administration
Co-Listed Course	

Catalog Description

In Workflow

1. RBUS&IT Chair
2. CCC Secretary
3. Social Sciences DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 09/08/26 1:35 pm
Cassie Elrod (cassa):
Approved for
RBUS&IT Chair
2. 09/21/26 2:41 pm
Hannah Johnson
(hjh9x): Approved
for CCC Secretary
3. 09/21/26 3:11 pm
Cecil Eng Huang
Chua (cchua):
Approved for Social
Sciences DSCC Chair
4. 09/28/26 9:55 am
Hannah Johnson
(hjh9x): Approved
for Pending CCC

System administration, cybersecurity, administration and performance monitoring practices for ~~an~~ Enterprise Resource Planning (ERP) systems ~~system~~ will be studied. Students will install and configure an ~~instance of an~~ ERP system, system and establish user and access management controls, and implement cybersecurity measures to protect ERP data, applications, and system resources. ~~attributes and system security.~~ Topics include authentication, authorization, role-based access control, security configuration, and security monitoring.

Prerequisite(s):

ERP 2110 or ERP 5110.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication No
Intensive

Communication No
Emphasized

Grading Basis Graded

Repeatable No

Justification

Emphasizing the security aspects of ERP system administration.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer

Comments

Hannah Johnson (hjh9x) (09/09/26 2:28 pm): Removed "ERP 5510 ERP" from the course title.

Hannah Johnson (hjh9x) (09/09/26 2:28 pm): Added ERP back to the title.

Hannah Johnson (hjh9x) (09/09/26 2:39 pm): Changed effective date to Summer 2027 per CCC deadlines.

Hannah Johnson (hjh9x) (09/10/26 11:41 am): Changed effective date to Fall 2027 per CCC deadlines.

Key: 6472

[Preview Bridge](#)

Course Change Request

A deleted record cannot be edited

Course Inactivation Proposal

Date Submitted: 07/16/26 2:52 pm

Viewing: **MATH 5154 : Mathematical Logic I**

Also listed as: **COMP ENG 5803 / COMP SCI 5203 /**

PHILOS 4354

Last approved: 08/06/24 6:03 am

Last edit: 07/16/26 2:52 pm

Changes proposed by: John Singler (singlerj)

Justification for this
inactivation request

In Workflow

1. **RMATHEMA Chair**
2. **CCC Secretary**
3. **RPHILOS Chair**
4. **RELECENG Chair**
5. **RCOMPSCI Chair**
6. **Engineering DSCC Chair**
7. **Arts & Humanities DSCC Chair**
8. **Sciences DSCC Chair**
9. **Pending CCC Agenda post**
10. **CCC Meeting Agenda**
11. **Campus Curricula Committee Chair**
12. **FS Meeting Agenda**
13. **Faculty Senate Chair**
14. **Registrar**
15. **CAT entry**
16. **Peoplesoft**

Approval Path

1. 07/16/26 2:52 pm
John Singler
(singlerj): Approved
for RMATHEMA
Chair
2. 08/25/26 2:46 pm
Crystal Wilson
(wilsoncry):
Approved for CCC
Secretary

3. 08/25/26 6:06 pm
Irina Ivliyeva
(ivliyeva): Approved
for RPHILOSOPHY Chair
4. 08/25/26 8:05 pm
Jonathan Kimball
(kimballjw):
Approved for
RELECENG Chair
5. 09/04/26 11:12 am
Seung-Jong Park
(spxzb): Approved
for RCOMPSCI Chair
6. 09/08/26 11:29 am
Theresa Swift
(thswift): Approved
for Engineering
DSCC Chair
7. 09/21/26 1:36 pm
Alejandra Sobrado
(asgx4): Approved
for Arts &
Humanities DSCC
Chair
8. 09/25/26 12:58 pm
Katie Shannon
(shannonk):
Approved for
Sciences DSCC Chair
9. 09/28/26 9:55 am
Hannah Johnson
(hjh9x): Approved
for Pending CCC
Agenda post

History

1. Oct 31, 2016 by
Matt Insall (insall)
2. Aug 6, 2024 by

We have not offered this course in a long time. Due to faculty changes - and substantial reductions to our faculty - we do not plan to offer this course again.

Requested Effective Date	Fall 2027	
Department	Mathematics & Statistics (RMATHEMA)	
Discipline	Mathematics (MATH)	
Course Number	5154	
Title	Mathematical Logic I	
Abbreviated Course Title	Math Logic I	
Co-Listed Course	COMP ENG 5803	Department Electrical & Computer Engr (RELECENG)
	COMP SCI 5203	Department Computer Science (RCOMPSCI)
	PHILOS 4354	Department Arts, Languages & Philosophy (RPHILOSO)

Catalog Description

A mathematical introduction to logic with some applications. Functional and relational languages, satisfaction, soundness and completeness theorems, compactness theorems. Examples from Mathematics, Philosophy, Computer Science, and/or Computer Engineering.

Prerequisite(s):

Philos 3254 or Math 5105 or Comp Sci 2500 or Comp Eng 2210.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication
Intensive

Communication
Emphasized

Grading Basis Graded

Repeatable No

Justification

Semesters Previously Offered

Term(s) Offered as
experimental

Previous Course
Code

Is this a MOTR
Course?

Reviewer
Comments

Program Change Request

Date Submitted: 09/02/26 7:30 pm

Viewing: **AI-MI : Minor in Artificial Intelligence and Machine Learning in Business**

Last approved: 04/24/26 4:26 pm

Last edit: 09/09/26 2:17 pm

Changes proposed by: Cecil Eng Huang Chua (cecq8z)

Catalog Pages Using
this Program

- [Business and Management Systems](#)
- [Information Science and Technology](#)

Effective Catalog Edition	FS2027-SP2028
Start Term	Fall 2027
Program Type	Minor
Academic Level	Undergraduate
Program Code	AI-MI
Department	Jaggi School of Business
Discipline	Info Science & Technology
Title	

In Workflow

1. RBUS&IT Chair
2. CCC Secretary
3. Social Sciences DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar

Approval Path

1. 09/04/26 12:08 pm
Cassie Elrod (cassa):
Approved for
RBUS&IT Chair
2. 09/10/26 9:18 am
Hannah Johnson (hjh9x): Approved
for CCC Secretary
3. 09/11/26 1:24 pm
Cecil Eng Huang Chua (cchua):
Approved for Social
Sciences DSCC Chair
4. 09/28/26 9:55 am
Hannah Johnson (hjh9x): Approved
for Pending CCC
Agenda post

History

- 1. Dec 11, 2017 by
barryf
- 2. Mar 12, 2018 by
ershenb
- 3. Apr 18, 2018 by
ershenb
- 4. Apr 19, 2018 by
ershenb
- 5. Apr 19, 2018 by
ershenb
- 6. Feb 3, 2021 by Cecil
Eng Huang Chua
(cchua)
- 7. Jun 10, 2021 by
Cecil Eng Huang
Chua (cchua)
- 8. Jun 12, 2024 by
Cecil Eng Huang
Chua (cchua)
- 9. Dec 3, 2025 by
Crystal Wilson
(wilsoncry)
- 10. Apr 24, 2026 by
Cecil Eng Huang
Chua (cchua)

Minor in Artificial Intelligence and Machine Learning in Business

CIP Code

Program Requirements and Description

Minor in Artificial Intelligence and Machine Learning in Business

The minor ~~Minor~~ requires 15 credit hours, as follows:

Required courses:

<u>BUS 5730</u>	Machine Learning and Artificial Intelligence for Business	3
<u>IS&T 3420</u>	Introduction to Data Science and Management	3

<u>IS&T 5520</u>	Data Science and Machine Learning with Python	3
And two courses from the following list:		6
<u>BUS 5920</u>	Artificial Intelligence: Law, Governance, and Policy	
<u>ERP 5410</u>	Business Intelligence, Data Science, and AI	
<u>IS&T 3333</u>	Data Networks and Information Security	
<u>IS&T 3343</u>	Systems Analysis	
<u>IS&T 5420</u>	Business Analytics and Data Science	
<u>IS&T 5450</u>	Introduction to Information Visualization	
<u>IS&T 5535</u>	Machine Learning Algorithms and Applications	
<u>MKT 5762</u>	<u>Marketing Revolution with Machine Learning</u>	
<u>STAT 1115</u>	Statistics For The Social Sciences I	

Justification for
request

Add one relevant course to options.

Attach Budget

System Approval
Letter

MDHE Approval

Supporting
Documents

Reviewer
Comments

Hannah Johnson (hjh9x) (09/09/26 2:17 pm): Placed the M in minor in lowercase. Added a box for the "required courses" at the top of the course listing. Changed the effective date and start term to Fall 2027.

Program Change Request

Date Submitted: 08/04/26 1:58 pm

Viewing: **CP ENG-BS : Computer Engineering BS**

Last approved: 05/19/26 2:56 pm

Last edit: 09/21/26 11:21 am

Changes proposed by: R.Joe Stanley (stanleyj)

Catalog Pages Using
this Program

[Computer Engineering](#)

In Workflow

1. RELECENG Chair
2. CCC Secretary
3. Engineering DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar

Approval Path

1. 08/04/26 2:16 pm
Jonathan Kimball (kimballjw):
Approved for RELECENG Chair
2. 09/21/26 2:40 pm
Hannah Johnson (hjh9x): Approved for CCC Secretary
3. 09/22/26 3:53 pm
Theresa Swift (thswift): Approved for Engineering DSCC Chair
4. 09/28/26 9:55 am
Hannah Johnson (hjh9x): Approved for Pending CCC Agenda post

History

1. Aug 6, 2014 by
R.Joe Stanley
(stanleyj)
2. Aug 13, 2014 by
pantaleoa
3. Sep 21, 2015 by
kleb6b
4. Apr 25, 2016 by
R.Joe Stanley
(stanleyj)
5. Dec 1, 2016 by
R.Joe Stanley
(stanleyj)
6. Sep 19, 2017 by
R.Joe Stanley
(stanleyj)
7. Jun 18, 2018 by
R.Joe Stanley
(stanleyj)
8. Nov 2, 2018 by
R.Joe Stanley
(stanleyj)
9. May 2, 2019 by
R.Joe Stanley
(stanleyj)
10. May 14, 2019 by
ershenb
11. Mar 3, 2020 by
R.Joe Stanley
(stanleyj)
12. May 2, 2022 by
R.Joe Stanley
(stanleyj)
13. Sep 26, 2022 by
R.Joe Stanley
(stanleyj)
14. Jun 7, 2023 by R.Joe
Stanley (stanleyj)

Rationale for
Inactivation

15. Jan 29, 2024 by
R.Joe Stanley
(stanleyj)
16. Apr 30, 2024 by
R.Joe Stanley
(stanleyj)
17. Jul 1, 2025 by R.Joe
Stanley (stanleyj)
18. Jul 2, 2025 by
jm558v
19. Jul 2, 2025 by
jm558v
20. Jul 7, 2025 by
jm558v
21. Aug 27, 2025 by
Crystal Wilson
(wilsoncry)
22. Dec 24, 2025 by
R.Joe Stanley
(stanleyj)
23. Apr 24, 2026 by
R.Joe Stanley
(stanleyj)
24. May 6, 2026 by
Hannah Johnson
(hjh9x)
25. May 6, 2026 by
Hannah Johnson
(hjh9x)
26. May 6, 2026 by
Hannah Johnson
(hjh9x)
27. May 7, 2026 by
Crystal Wilson
(wilsoncry)
28. May 19, 2026 by
Crystal Wilson
(wilsoncry)

Supporting
Documents

Effective Catalog Edition	FS2027-SP2028
Start Term	Fall 2027
Program Type	Bachelor of Science
CIM Prospectus	
Academic Level	Undergraduate
Program Code	CP ENG-BS
Department	Electrical & Computer Engr
Discipline	Computer Engineering
Offered by	
Title	Computer Engineering BS
CIP Code	

Purpose

Intended Audience

Program-Specific
Admission

Program Requirements and Description

Bachelor of Science Computer Engineering ¹

For the Bachelor of Science degree in Computer Engineering, a minimum of 128 credit hours is required. These requirements are in addition to credit received for algebra, trigonometry, and basic ROTC courses. An average of at least two grade points per credit hour must be attained. At least two grade points per credit hour must also be attained in all courses taken in Computer Engineering.

The Computer Engineering program at Missouri S&T is characterized by its focus on the scientific basics of engineering and its innovative application; indeed, the underlying theme of this educational program is the application of the scientific basics to engineering practice through attention to problems and needs of the public. The necessary interrelations among the various topics, the engineering disciplines, and the other professions as they naturally come together in the solution of real world problems are emphasized as research, analysis, synthesis, and design. These interrelations are presented and discussed through classroom and laboratory instruction.

Freshman Year

First Semester	Credits	Second Semester	Credits
CHEM 1305	4	COMP SCI 1500	3
CHEM 1319	1	Gen Ed Elective ⁴	6
ENGLISH 1120	3	MATH 1215 ²	4
FR ENG 1100 ¹	1	PHYSICS 1135 ^{2,3}	4
HISTORY 1200 , or 1300 , or 1310 , or POL SCI 1200	3		
MATH 1214 or 1211 ^{2,17}	4		
	16		17

Sophomore Year

First Semester	Credits	Second Semester	Credits
COMP SCI 1570 ²	3	COMP ENG 2010 or ELEC ENG 2010	1
COMP SCI 1580 ²	1	COMP ENG 2210 ^{2,5}	3
ELEC ENG 2100 ^{2,5}	3	COMP ENG 2211 ^{2,5}	1
ELEC ENG 2101 ^{2,5}	1	COMP SCI 1200 ²	3
MATH 3304 ²	3	COMP SCI 1575 ²	3
PHYSICS 2135 ^{2,3}	4	ELEC ENG 2120 ²	3
		MATH 2222 ²	4
	15		18

Junior Year

First Semester	Credits	Second Semester	Credits
COMP ENG 3110 ²	3	COMP ENG Elective A ^{2,10,18}	3
ELEC ENG 2200 ^{2,5}	3	COMP ENG 3150 ²	3
ELEC ENG 2201 ^{2,5}	1	COMP SCI 3800 or 2500 ²	3
Mathematics Elective ⁶	3	ELEC ENG 3410 ²	3
SP&M S 1185 ⁹	3	ENGLISH 3560 or 1160	3

<u>STAT 3117</u> ⁸	3		
	16		15
Senior Year			
First Semester	Credits	Second Semester	Credits
COMP ENG Elective B ^{2,10,19}	3	COMP ENG Elective D ^{2,11,12,18}	3
COMP ENG Elective C ^{2,13,18}	3	COMP ENG Elective E ^{2,11,12,19}	3
<u>COMP ENG 4096</u> ^{2,14}	1	<u>COMP ENG 4097</u> ¹⁴	3
<u>COMP ENG 5410</u> ^{2, 10, 13}	3	Free Elective ^{15,19}	3
Engineering Science Elective ⁷	3	Professional Development Elective ¹⁶	3
Gen Ed Elective ⁴	3		
	16		15

Total Credits: 128

1

Students that transfer to Missouri S&T after their freshman year are not required to enroll in Foundational Engineering and Computing Seminars.

2

A minimum grade of "C" must be attained in [COMP ENG 2210](#), [COMP ENG 2211](#), [COMP ENG 3110](#), [COMP ENG 3150](#), [COMP ENG 4096](#), [COMP ENG 5410](#), COMP ENG electives A, B, C, D and E, [COMP SCI 1200](#), [COMP SCI 1570](#), [COMP SCI 1575](#), [COMP SCI 1580](#), [COMP SCI 2500](#) or [COMP SCI 3800](#), [ELEC ENG 2100](#), [ELEC ENG 2101](#), [ELEC ENG 2120](#), [ELEC ENG 2200](#), [ELEC ENG 2201](#), [ELEC ENG 3410](#), [MATH 1211](#) or [MATH 1214](#), [MATH 1215](#), [MATH 2222](#), [MATH 3304](#), [PHYSICS 1135](#), and [PHYSICS 2135](#) (or their equivalents). Also, students may not enroll in other courses that use these courses as prerequisites until the minimum grade of "C" is attained.

3

Students may take [PHYSICS 1111](#) and [PHYSICS 1119](#) in place of [PHYSICS 1135](#). Students may take [PHYSICS 2111](#) and [PHYSICS 2119](#) in place of [PHYSICS 2135](#).

4

All electives must be approved by the student's advisor. Gen. Ed. electives must fulfill the Missouri S&T general education requirements applicable to the student's catalog year. These requirements are specified in the current catalog.

5

Students who drop a lecture course prior to the deadline to drop a class must also drop the corequisite lab course.

6

Students must take one of the following courses:

[MATH 3108](#), [MATH 3109](#), [MATH 4096](#), [MATH 4209](#), [MATH 4211](#), [MATH 4530](#), [MATH 5105](#), [MATH 5106](#), [MATH 5107](#), [MATH 5108](#), , [MATH 5215](#), , [MATH 5302](#), [MATH 5325](#), [MATH 5351](#), , [MATH 5585](#), [MATH 5603](#), [MATH 5737](#), [STAT 5346](#), [STAT 5353](#), [STAT 5644](#).

7

Students must take one of [BIO SCI 2213](#), [BIO SCI 2223](#), [CER ENG 4240](#), [CHEM 2210](#), [MECH ENG 2340](#), [MECH ENG 2519](#), [MECH ENG 2527](#), [NUC ENG 3103](#), [NUC ENG 3205](#), [PHYSICS 2305](#), [PHYSICS 2311](#), [PHYSICS 2401](#),

or [PHYSICS 4311](#). The following pair of courses can be substituted: [CIV ENG 2200](#) and [MECH ENG 2350](#).

8

Students may replace [STAT 3117](#) with [STAT 5643](#).

9

Students may replace [SP&M S 1185](#) with the ROTC sequence of [MIL ARMY 4250](#) and [MIL ARMY 4500](#) or [MIL AIR 4110](#) and [MIL AIR 4120](#).

10

COMP ENG Senior Electives A and B, respectively, must be selected from 4XXX or 5XXX courses in COMP ENG, except [COMP ENG 4000](#), [COMP ENG 4096](#), [COMP ENG 4097](#), [COMP ENG 4099](#), [COMP ENG 5000](#), and [COMP ENG 5099](#). The two courses selected for electives A and B, respectively, should be from two different COMP ENG emphasis areas. The emphasis areas, with course number options, are as follows:

Computational Intelligence: COMP ENG 53XX

Computer Chips and Semiconductor Engineering: COMP ENG 32XX/42XX/52XX, COMP ENG 51XX, [ELEC ENG 3100](#), [ELEC ENG 3250](#)

Electronic Computer System Design: COMP ENG 51XX, ELEC ENG 36XX, ELEC ENG 56XX

Networks and Cyber Physical Systems: COMP ENG 44XX, COMP ENG 54XX (except [COMP ENG 5410](#)), [ELEC ENG 5160](#), ELEC ENG 53XX

11

COMP ENG Senior Electives D and E must be selected from an approved list that contains most 3XXX, 4XXX and 5XXX courses in science, mathematics, and engineering except required courses in COMP ENG, ELEC ENG, and COMP SCI and except [COMP SCI 3610](#) and [COMP SCI 5600](#).

12

COMP ENG Electives D and E cannot include more than three hours of [COMP ENG 3002](#)/[ELEC ENG 3002](#), [COMP ENG 4000](#)/[COMP ENG 4099](#), [COMP SCI 4000](#)/[COMP SCI 4099](#), [ELEC ENG 4000](#)/[ELEC ENG 4099](#).

13

COMP ENG Senior Elective C must be selected from 3XXX, 4XXX or 5XXX courses in COMP ENG, ELEC ENG, or COMP SCI, except [COMP ENG 3000](#), [COMP ENG 4000](#), [COMP ENG 4096](#), [COMP ENG 4097](#), [COMP ENG 4099](#), [COMP ENG 5000](#), [COMP ENG 5410](#), [COMP SCI 3000](#), [COMP SCI 3610](#), [COMP SCI 4000](#), [COMP SCI 4010](#), [COMP SCI 4096](#), [COMP SCI 4097](#), [COMP SCI 4099](#), [COMP SCI 5000](#), [COMP SCI 5099](#), [COMP SCI 5600](#), [ELEC ENG 3000](#), [ELEC ENG 4000](#), [ELEC ENG 4096](#), [ELEC ENG 4097](#), [ELEC ENG 4099](#), [ELEC ENG 5000](#), and [ELEC ENG 5099](#).

14

Students pursuing dual degrees in COMP ENG and ELEC ENG may take either [COMP ENG 4096](#) or [ELEC ENG 4096](#) and [COMP ENG 4097](#) or [ELEC ENG 4097](#). Students may not receive credit for both [COMP ENG 4096](#) and [ELEC ENG 4096](#) or [COMP ENG 4097](#) and [ELEC ENG 4097](#) in the same degree program.

15

Students are required to take three hours of free elective in consultation with their academic advisors. Credits that do not count towards this requirement are deficiency courses (such as algebra and trigonometry) and extra credits from courses meeting other requirements. Any courses outside of engineering and science must be at least three credit hours. [COMP ENG 4096](#), [COMP ENG 4097](#), [ELEC ENG 2800](#), [ELEC ENG 4096](#) and [ELEC ENG 4097](#) may not be used for free electives. No more than one credit hour of [COMP ENG 3002](#)

or ELEC ENG 3002 may be applied to the BS degree for free electives.

16

Students must take one of the following courses: BUS 5980, ECON 4430, ECON 5337, ENG MGT 2310, ENG MGT 3320, ENG MGT 4110, ENG MGT 5514, PHILOS 3225.

17

The course combination MATH 1210 and MATH 1211 may be taken in place of MATH 1214.

18

Senior Electives A, C, and D are satisfied with courses taken for a single declared emphasis area.

19

Senior Electives B and E and the Free Elective are satisfied with courses taken for multiple (two) declared emphasis areas.

~~Free Electives~~
~~Footnote: Each student is required to take three hours of free electives in consultation with his/her academic advisor. Credits which do not count towards this requirement are deficiency courses (such as algebra and trigonometry), and extra credits in required courses. Any courses outside of engineering and science must be at least three credit hours.~~
Emphasis Areas for Computer Engineering

A declared emphasis area is not required. A student may choose to obtain a Computer Engineering degree without a formal emphasis or may choose to obtain a Computer Engineering degree with a declared emphasis in one or more of the emphasis areas of computer engineering. A major change request is required to add the emphasis area option to the degree program.

Emphasis areas that may be declared, include: **Computational Intelligence**, **Computer Chips and Semiconductor Engineering**, **Electronic Computer System Design**, and **Networks and Cyber Physical Systems**. Note that **Computational Intelligence** is also a Computer Engineering emphasis area but is focused in the graduate program.

For students who seek a Computer Engineering degree without a formal emphasis, these emphasis areas may guide the choice of their COMP ENG Electives A, B, C, D, and E as well as their free electives. Students should consult with their advisors on such course selections.

For students who seek a Computer Engineering degree with a declared emphasis, courses in the declared emphasis area will be applied to COMP ENG Electives A, C, and D in the degree requirements. For students who choose to have multiple emphasis areas, the additional courses will apply to COMP ENG Electives B and E and free elective requirements. Students should seek guidance from their advisors on emphasis areas and on courses that are relevant to more than one emphasis area. Students may have an emphasis area or emphasis

areas listed on their transcript by completing **three three-credit-hour courses** in computer engineering from the designated lists. For a single emphasis area, this requirement will be satisfied by completing the relevant 4XXX-level or above course for Elective A and 3XXX-level or above courses for Electives C and D from the designated emphasis area course list. For a second emphasis area, this requirement will be satisfied by completing the relevant 4XXX-level or above course for Elective B, a 3XXX-level or above course for Electives E, and a 3XXX-level or above course for the free elective from the designated second emphasis area course list. Courses not on the emphasis area list, including experimental courses (5001) require departmental approval to apply toward the designated emphasis area.

Computer Engineering Course List Designations:

Computational Intelligence	9
COMP ENG 53XX Courses	
Computer Chips and Semiconductor Engineering	9
COMP ENG 32XX/42XX/52XX, COMP ENG 51XX, ELEC ENG 3100, ELEC ENG 3250	
Electronic Computer System Design	9
COMP ENG 51XX, ELEC ENG 36XX, ELEC ENG 56XX	
Networks and Cyber Physical Systems	9
COMP ENG 44XX, COMP ENG 54XX (except COMP ENG 5410), ELEC ENG 5160, ELEC ENG 53XX	

Justification for
request

Math 5154, Math 5222, and Math 5483 have been removed as course options for the CpE BS program Math Elective (footnote 7) because those courses have been inactivated by the Math Department, effective Fall 2027.

Attach Budget

System Approval Letter [MDHE Receipt_S&T Comp Eng Rename Options_NOV2025.pdf](#)

MDHE Approval [MDHE Approval Letter_S&T_December 2025.pdf](#)

Supporting Documents [higher-ed-ProgramChangeForm-CpE BS Degree Program.docx](#)
[Cover Letter - MDHE - CpE BS Program Change of Emphasis Areas.doc](#)

Reviewer

Comments

Hannah Johnson (hjh9x) (08/18/26 3:23 pm): Removed footnote one from the heading that talks about the minimum credits required for the degree, and removed footnote one with that information (also listed in the description). Updated footnotes accordingly. Approved by Ronald Stanley.

Hannah Johnson (hjh9x) (08/21/26 8:25 am): Removed Free Electives Footnote heading and paragraph, added the additional information to the appropriate footnote (15 which relates this information to the free elective course) with approval from Ronald Stanley. No information was changed, only moving locations on the form.

Hannah Johnson (hjh9x) (08/21/26 10:45 am): Formatted footnote 13 to have commas in-between all courses listed. I added COMP ENG 5410 to footnote 13 per email from Ronald Stanley.

Hannah Johnson (hjh9x) (09/21/26 11:21 am): Added footnotes 18 and 19 to elaborate on the use of available elective credits for emphasis areas, with approval from Ronald Stanley.

Experimental Change Request

New Proposal

Date Submitted: 09/07/26 2:25 am

Viewing: **BIO SCI 5001.030: Advanced Human Endocrinology**

Last edit: 09/28/26 9:36 am

Changes proposed by: Gina Yosten (gyxmr)

Requested Effective Date	Spring 2027
Department	Biological Sciences (RBIOLSCI)
Discipline	Biological Sciences (BIO SCI)
Course Number	5001
Topic ID	030
Experimental Title	

In Workflow

1. **RBIOLSCI Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. CAT entry
8. Registrar

Approval Path

1. 09/07/26 2:25 am
Gina Yosten (gyxmr): Approved for RBIOLSCI Chair
2. 09/10/26 9:20 am
Hannah Johnson (hjh9x): Approved for CCC Secretary
3. 09/25/26 12:58 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 09/28/26 9:55 am
Hannah Johnson (hjh9x): Approved for Pending CCC Agenda post

Experimental Human Endocrinology

Abbreviated Course

Title

Co-Listed Course

Instructors

Willis Samson

Experimental

Catalog Description

Advanced biology course exploring the role of hormones and endocrine organs in regulating critical homeostatic systems in humans, including the integrated response to stress, growth, reproduction, the control of blood glucose and metabolism, water and sodium balance, and blood pressure. This course will employ active learning strategies to include Peer-to-Peer instructions, Team-Based Learning, and Journal Club Presentations to review the importance of each endocrine system and to examine the disease states associated with dysfunction of those systems.

Prerequisite(s)

Bio Sci 3333 and Bio Sci 3343.

Corequisite(s)

Field Trip

Statement

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Grading Basis Graded

Repeatable No

Justification for
experimental
course:

The Biological Sciences department is preparing to recruit biomedical- and healthcare-interested students. As such, it is necessary to expand our curriculum to include additional courses focused on human biology and health.

Reviewer

Comments

Hannah Johnson (hjh9x) (09/09/26 2:22 pm): Added a period after the prereq. Selected graded for grading basis.

Hannah Johnson (hjh9x) (09/28/26 9:36 am): Assigned 030 to the Topic ID after checking Joess and excel.

Experimental Change Request

New Proposal

Date Submitted: 09/04/26 3:26 pm

Viewing: **COMP SCI 1001.019: Artificial Intelligence Literacy**

Last edit: 09/28/26 9:40 am

Changes proposed by: Venkata Sriram Siddhardh Nadendla (nadendla)

Requested Effective Date	Spring 2027
Department	Computer Science (RCOMPSCI)
Discipline	Computer Science (COMP SCI)
Course Number	1001
Topic ID	019
Experimental Title	

In Workflow

- RCOMPSCI Chair
- CCC Secretary
- Engineering DSCC Chair
- Pending CCC Agenda post
- CCC Meeting Agenda
- Campus Curricula Committee Chair
- CAT entry
- Registrar

Approval Path

- 09/04/26 3:28 pm
Seung-Jong Park (spxzb): Approved for RCOMPSCI Chair
- 09/10/26 9:27 am
Hannah Johnson (hjh9x): Approved for CCC Secretary
- 09/22/26 3:53 pm
Theresa Swift (thswift): Approved for Engineering DSCC Chair
- 09/28/26 9:55 am
Hannah Johnson (hjh9x): Approved for Pending CCC Agenda post

Experimental AI Literacy

Abbreviated Course

Title

Co-Listed Course

Instructors

Seung-Jong Park

Experimental

Catalog Description

This course provides a broad, accessible understanding of the evolution of artificial intelligence, and the working knowledge of contemporary AI systems (e.g. Agentic AI and Generative AI) at a conceptual level. The course also covers the responsible usage of AI tools, as well as their limitations and risks involved with their deployment in real-world applications. The course is primarily designed for non-computer science major students.

Prerequisite(s)

Corequisite(s)

Field Trip

Statement

Credit Hours

Credit Type	Credit Hours
Lecture	1

Total: 1

Required for Majors No

Elective for Majors No

Grading Basis Graded

Repeatable No

Justification for
experimental
course:

Artificial Intelligence is rapidly becoming a foundational technology across nearly every academic discipline and profession. Students in business, engineering, sciences, humanities,

education, arts, social sciences, health-related disciplines, and other fields increasingly encounter AI-powered systems in their coursework, future workplaces, and everyday lives. However, effective participation in an AI-enabled society requires more than simply knowing how to use tools such as ChatGPT, Copilot, Gemini, or other generative AI systems.

The proposed AI Literacy course will provide students with a broad, accessible understanding of how artificial intelligence has evolved, how contemporary AI systems work at a conceptual level, how they can be used effectively, and where their limitations and risks lie. The course is specifically designed for students without a programming or Computer Science background.

Rather than teaching students to build AI models mathematically or programmatically, the course develops an accurate mental model of AI. Students will follow the evolution of the field from early traditional AI to the recent Generative AI, agentic AI, and emerging agentic systems.

Reviewer

Comments

Hannah Johnson (hjh9x) (09/10/26 9:26 am): Capitalized the L in the experimental abbreviated course title. Selected graded for grading basis. Changed "non-CS " to non- computer science".

Hannah Johnson (hjh9x) (09/28/26 9:40 am): Assigned 019 as topic ID after checking Joess and Excel.

Experimental Change Request

New Proposal

Date Submitted: 02/26/26 2:25 pm

Viewing: **MATH 5001.012: Probabilistic Graphical Models in Machine Learning**

Last edit: 09/28/26 9:41 am

Changes proposed by: Jeffrey Humpherys (jh339)

Requested Effective Date	Spring 2027
Department	Mathematics & Statistics (RMATHEMA)
Discipline	Mathematics (MATH)
Course Number	5001
Topic ID	012
Experimental Title	

In Workflow

1. **RMATHEMA Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. CAT entry
8. Registrar

Approval Path

1. 09/01/26 2:07 pm
Eun Heui Kim (ek9dq): Approved for RMATHEMA Chair
2. 09/21/26 3:50 pm
Hannah Johnson (hjh9x): Approved for CCC Secretary
3. 09/25/26 12:58 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 09/28/26 9:55 am
Hannah Johnson (hjh9x): Approved for Pending CCC Agenda post

Experimental PGM

Abbreviated Course

Title

Co-Listed Course

Instructors

Jeffrey Humpherys

Experimental

Catalog Description

This course develops the theory of probabilistic graphical models and structural causal models from a rigorous mathematical and statistical perspective. Topics include conditional independence in probability spaces, Markov properties of directed and undirected graphs, factorization theorems, exponential families, and likelihood-based inference. Exact and approximate inference methods are analyzed with attention to computational complexity.

The causal component introduces structural equation models, intervention calculus, identification theory, counterfactual distributions, and semi-parametric estimation of causal effects. Connections between graphical criteria and potential outcomes are formally established. Consistency, identifiability, efficiency bounds, and high-dimensional structure learning are emphasized.

Prerequisite(s)

Math 2222, Math 3108, Stat 3117, and proficiency in the Python Programming Language.

Corequisite(s)

Field Trip

Statement

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Grading Basis Graded

Repeatable No

Justification for
experimental
course:

Previous two 5001 courses taught (academic year 2005-2006) were supervised learning and deep learning, this is the third piece of the comprehensive machine learning curriculum focuses on latent variables and causal inference. As these three courses are refined they should be part of the data science masters curriculum.

Reviewer

Comments

Hannah Johnson (hjh9x) (09/01/26 2:34 pm): Formatted the prereq's to be in sentence format, not in bullet points. Removed course titles from the prereqs. Selected graded for grading basis. Selected yes for elective for majors.

Hannah Johnson (hjh9x) (09/21/26 1:59 pm): Changed topic ID from ML to TBD, changed the effective term from Fall 2026 to Spring 2027 per CCC deadlines.

Hannah Johnson (hjh9x) (09/21/26 3:27 pm): Removed "(equivalently Multivariable Calculus)" from the prereq section with approval from Jeffrey Humpherys. Placed the other prereqs in proper format.

Hannah Johnson (hjh9x) (09/21/26 3:43 pm): Added the first name of the instructor in the instructor box.

Hannah Johnson (hjh9x) (09/28/26 9:41 am): Assigned 012 for the topic ID after checking Joess and excel.