Minutes of the Campus Curricula Committee Meeting

October 13, 2026
8:15 am, Fulton Hall 120
(For Faculty Senate Meeting of November 12, 2026)

Attendees: Cecil Eng Huang Chua, Katie Shannon, Michael Davis, Theresa Swift, Kyle Perry, Alejandra Sobrado, Paul Runnion, Crystal Wilson, and Hannah Johnson.

The following curriculum forms were discussed and approved:

Course Change forms:
File: 6472 ERP 5510 : ERP System Administration and Enterprise Security
File: 647 MATH 5154 : Mathematical Logic I

Program Change forms:
File: 253 AI-MI : Minor in Artificial Intelligence and Machine Learning in Business
File: 153 CP ENG-BS : Computer Engineering BS

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 concerning the proposal for graduate-level adaptations of undergraduate courses.
- Discussion of a policy to address outdated EC's with a renewal process.
- Discussion of a policy addressing co-listing courses on different levels.

The meeting adjourned at 8:44 am.



_____
Dr. Cecil Eng Huang Chua, Chair
Missouri S&T Campus Curricula Committee

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 and Enterprise Security
Abbreviated Course Title	ERP Security ~~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

Agenda post

5. 10/13/26 9:21 am Hannah Johnson (hjh9x): Approved for CCC Meeting Agenda
6. 10/14/26 2:41 pm Cecil Eng Huang Chua (cchua): Approved for Campus Curricula Committee Chair

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 Intensive: No

Communication Emphasized: No

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. **RPHILOSO 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 RPHILOSO 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
10. 10/13/26 9:21 am Hannah Johnson (hjh9x): Approved for CCC Meeting Agenda
11. 10/14/26 2:41 pm

Cecil Eng Huang Chua (cchua): Approved for Campus Curricula Committee Chair

History

1. Oct 31, 2016 by Matt Insall (insall)
2. Aug 6, 2024 by esdk3

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

Key: 647

Preview Bridge

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
5. 10/13/26 9:19 am Hannah Johnson

(hjh9x): Approved for CCC Meeting Agenda
6. 10/14/26 2:41 pm Cecil Eng Huang Chua (cchua): Approved for Campus Curricula Committee Chair

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:		
BUS 5730	Machine Learning and Artificial Intelligence for Business	3
IS&T 3420	Introduction to Data Science and Management	3
IS&T 5520	Data Science and Machine Learning with Python	3
And two courses from the following list:		6
BUS 5920	Artificial Intelligence: Law, Governance, and Policy	
ERP 5410	Business Intelligence, Data Science, and AI	
IS&T 3333	Data Networks and Information Security	
IS&T 3343	Systems Analysis	
IS&T 5420	Business Analytics and Data Science	
IS&T 5450	Introduction to Information Visualization	
IS&T 5535	Machine Learning Algorithms and Applications	
MKT 5762	Marketing Revolution with Machine Learning	
STAT 1115	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.

Key: 253

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
5. 10/13/26 9:21 am

Hannah Johnson (hjh9x): Approved for CCC Meeting Agenda
6. 10/14/26 2:41 pm Cecil Eng Huang Chua (cchua): Approved for Campus Curricula Committee Chair

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

Rationale for Inactivation

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)
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

Supporting Documents

(hjh9x)
27. May 7, 2026 by Crystal Wilson (wilsoncry)
28. May 19, 2026 by Crystal Wilson (wilsoncry)

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
STAT 3117[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
COMP ENG 4096[2,14]	1	COMP ENG 4097[14]	3
COMP ENG 5410[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 ElectivesFootnote:Each student is required to take three hours of free electives in consultation with his/her academicadvisor.Credits which do not count towards this requirement are deficiency courses (such as algebra and trigonometry), and extra credits in requiredcourses.Any courses outside of engineering and science must be at least three credithours.~~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: highered-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.