

479: BACHELOR OF ENGINEERING

In Workflow

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5. AS Curriculum Committee Chair (aecrews@una.edu)
6. AS Dean (rzayac@una.edu)
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Approval Path

1. Wed, 05 Apr 2023 22:13:03 GMT
Mitch Powell (mpowell7): Approved for Registrar
2. Thu, 06 Apr 2023 01:09:36 GMT
Lorie Johnson (ljohnson15): Approved for ACHE SACS Substantive Notice
3. Thu, 06 Apr 2023 19:54:31 GMT
Jonathan Sullivan (jsullivan2): Approved for ENIP Chair
4. Thu, 13 Apr 2023 13:42:11 GMT
Payten Perry (pperry): Approved for AS Executive Assistant

New Program Proposal

Date Submitted: Wed, 05 Apr 2023 22:09:16 GMT

Viewing: 479 : Bachelor of Engineering

Last edit: Thu, 06 Apr 2023 01:09:26 GMT

Changes proposed by: mpowell7

Program Title

Bachelor of Engineering

Department Name

Engineering and Industrial Professions

College Name

College of Arts, Sciences, and Engineering

Academic Level

Undergraduate

Program Type

Major

Degree Type

BENG

CIP Code

140101 - Engineering, General.

The proposed change(s) will be effective for the following catalog edition:

2024-2025

Is this program only available online?

No

Is this program offered on campus and online?

No

Brief Description and Rationale for Proposal:

As Alabama’s Workforce Development University, the preparation of career-ready graduates to meet the economic needs of Alabama and the surrounding region is central to the mission of the University of North Alabama (UNA). The proposed Bachelor of Engineering degree (B. Eng.) will prepare students to step directly into front-line engineering roles in a wide variety of growing manufacturing sectors in and surrounding the north Alabama region.

Include relevant information concerning UNA’s mission and goals (strategic plan)

This proposed program aligns with UNA’s Strategic Plan 2019-2024 under Theme Two: Academic Excellence and Innovation, particularly by promoting and supporting an innovative, student-centered academic experience at all levels and in all modalities.

Include relevant information concerning UNA’s student learning opportunities

By completion of this program, students will be able to demonstrate:

- 1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
- 2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
- 3. an ability to communicate effectively with a range of audiences.
- 4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
- 5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
- 6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
- 7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Include relevant information concerning UNA’s impact on existing programs

To prevent unnecessary duplication, the Chemical Engineering Technology and Bioengineering Technology options in the current B.S. in Engineering Technology (BSET) program will be taught out and their resources allocated to the B. Eng. program. The remaining two options in the BSET, Electro-mechanical and Power Generation (scheduled for review by ACHE in June 2023) will continue to be offered.

Include relevant information concerning UNA’s financial implications at the department and college level. Will this involve new equipment, facilities, new faculty, etc?

TBD

List the departments or programs on campus consulted on the issues of duplication and overlap.

The proposed Bachelor of Engineering will be supported, in-part, by the faculty and resources that are associated with UNA’s current B.S. in Engineering Technology program in the Department of Engineering and Industrial Professions.

Attach ACHE NISP form

2023 02 07 NISP Bachelor of Engineering.docx

Degree Requirements

Requirements for a Bachelor of Engineering

Additional Graduation Requirements (<https://catalog.una.edu/undergraduate/academic-procedures-requirements/graduation-requirements/>)

Code	Title	Hours
General Education Component (https://catalog.una.edu/undergraduate/academic-procedures-requirements/general-education-component/)		
Area I (Written Composition)		6
EN 111 or EN 111H	First-Year Composition I First-Year Composition Honors I	
EN 112 or EN 112H	First Year Composition II First-Year Composition Honors II	
Area II (Humanities and Fine Arts) ¹		12
COM 201	Fundamentals of Speech	

PHL 205 or PHL 250	Ethics Business Ethics	
3 Hours Fine Arts Elective		
3 Hours Literature		
Area III (Natural Science and Mathematics) ¹		
Math		12
MA 125	Calculus I	
MA 126	Calculus II	
MA 227	Calculus III	
Science		12-14
Choose one 2 course sequence and an additional course from the list below:		
BI 111	Principles of Biology	
BI 112	Principles of Biology	
CH 111 & 111L	General Chemistry and General Chemistry Laboratory	
CH 112 & 112L	General Chemistry and General Chemistry Laboratory	
PH 241	General Physics I	
PH 242	General Physics II	
PH 251	Technical Physics I	
PH 252	Technical Physics II	
Area IV (History, Social and Behavioral Science) ¹		
Any History Sequence		6
Social and Behavioral Science Courses		6
Prescribed Supporting Courses		6
MA 345	Applied Statistics I	
MA 355	Differential Equations	
Major Core Requirements in Engineering		
EG 101	Course EG 101 Not Found (Engineering Profession)	2
EG 110	Course EG 110 Not Found (Engineering Documentation)	2
EG 120	Course EG 120 Not Found (Engineering Problem Solving)	3
EG 130	Course EG 130 Not Found (Engineering Instrumentation)	2
EG 202	Course EG 202 Not Found (Engineering Materials)	3
EG 205	Course EG 205 Not Found (Engineering Industry Seminar)	1
EG 302	Course EG 302 Not Found (Engineering Economics)	3
EG 305	Course EG 305 Not Found (Engineering Thermodynamics)	3
EG 390	Course EG 390 Not Found (Engineering Safety)	3
EG 494	Course EG 494 Not Found (Engineering Capstone I)	1
EG 495	Course EG 495 Not Found (Engineering Capstone II)	3
Engineering Electives		24
Choose 24 hours (with a minimum of 18 hours at the 300+ level) from the five certification areas listed below. Completing two of the five certification areas is the easiest way to satisfy this requirement.		
Advanced Electives		3-5
Select one of the following:		
BI 307	Microbiology	
CH 311 & 311L	Organic Chemistry and Organic Chemistry Laboratory	
ET 320	Statics and Strength of Materials	
MG 331	Leadership and Organizational Behavior	
General Electives		7-3
Total Hours		120

¹ Substitution of other courses which meet General Education guidelines at discretion of Department Chair.

Reviewer Comments

Lorie Johnson (ljohnson15) (Thu, 06 Apr 2023 01:05:17 GMT): NISP submitted to ACHE 3/20/23. Proposal is due to ACHE by 6/9/23.

Lorie Johnson (ljohnson15) (Thu, 06 Apr 2023 01:09:26 GMT): Substantive Change will be submitted to SACSCOC by 1/1/24.

Key: 479

475: CERTIFICATE IN BIOLOGICAL ENGINEERING

In Workflow

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5. AS Curriculum Committee Chair (aecrews@una.edu)
6. AS Dean (rzayac@una.edu)
7. COAD (rpvandiver@una.edu; mpowell7@una.edu)
8. UCC Agenda (smcmillan@una.edu)
9. UCC (none)
10. UCC Chair (none)
11. Board of Trustees (rpvandiver@una.edu)
12. ACHE Approval Status (ljohnson15@una.edu; mpowell7@una.edu)
13. SACS Approval Status (ljohnson15@una.edu; mpowell7@una.edu)
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Approval Path

1. Wed, 05 Apr 2023 22:13:06 GMT
Mitch Powell (mpowell7): Approved for Registrar
2. Thu, 06 Apr 2023 01:13:17 GMT
Lorie Johnson (ljohnson15): Approved for ACHE SACS Substantive Notice
3. Thu, 06 Apr 2023 19:43:42 GMT
Jonathan Sullivan (jsullivan2): Approved for ENIP Chair
4. Thu, 13 Apr 2023 13:41:59 GMT
Payten Perry (pperry): Approved for AS Executive Assistant

New Program Proposal

Date Submitted: Thu, 30 Mar 2023 19:59:19 GMT

Viewing: 475 : Certificate in Biological Engineering

Last edit: Thu, 06 Apr 2023 01:13:09 GMT

Changes proposed by: pkosborn

Program Title

Certificate in Biological Engineering

Department Name

Engineering and Industrial Professions

College Name

College of Arts, Sciences, and Engineering

Academic Level

Undergraduate

Program Type

Certificate

CIP Code

144501 - Biological/Biosystems Engineering.

The proposed change(s) will be effective for the following catalog edition:

2024-2025

Is this program only available online?

No

Is this program offered on campus and online?

No

Brief Description and Rationale for Proposal:

This certificate in Biological Engineering is designed to give students the opportunity to earn a certificate toward workforce development skills. This certificate can serve as a standalone certificate as well as a pathway into UNA's B.Eng in Engineering. Students will work closely with a faculty advisor to develop a customized plan of study.

Include relevant information concerning UNA's mission and goals (strategic plan)

This proposed program aligns with UNA's Strategic Plan 2019-2024 under Theme Two: Academic Excellence and Innovation, particularly by promoting and supporting an innovative, student-centered academic experience at all levels and in all modalities.

Include relevant information concerning UNA's student learning opportunities

The Certificate in Biological Engineering provides students with a clear pathway to obtaining 24 credit hours without the requirement of completing an entire bachelor's degree program. It can also serve as a pathway to UNA's B.Eng. in Engineering.

Include relevant information concerning UNA's impact on existing programs

Three courses (12 credit hours) are existing in UNA's curriculum. The other 12 credit hours are being added for this certificate as well as for the pending B.Eng. in Engineering.

Include relevant information concerning UNA's financial implications at the department and college level. Will this involve new equipment, facilities, new faculty, etc?

None.

List the departments or programs on campus consulted on the issues of duplication and overlap.

Department of Engineering and Industrial Professions.

Degree Requirements**Requirements for the Certificate in Biological Engineering**

Code	Title	Hours
Required Courses		
BI 111	Principles of Biology	4
BI 112	Principles of Biology	4
BI 307	Microbiology	4
BIEG 230	Course BIEG 230 Not Found (Fundamentals of Biological Engineering)	2
BIEG 330	Course BIEG 330 Not Found (Bioprocess Engineering)	4
BIEG 340	Course BIEG 340 Not Found (Biomaterials)	3
BIEG 430	Course BIEG 430 Not Found (Bioreactor Design)	3
Total Hours		24

Reviewer Comments

Lorie Johnson (ljohnson15) (Thu, 06 Apr 2023 01:13:09 GMT): Certificate notification due to ACHE by July 7, 2023 for Sept. 8, 2023 board meeting.

Key: 475

476: CERTIFICATE IN CHEMICAL ENGINEERING

In Workflow

1. Registrar (mpowell7@una.edu; mmoody4@una.edu)
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6. AS Dean (rzayac@una.edu)
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9. UCC (none)
10. UCC Chair (none)
11. Board of Trustees (rpvandiver@una.edu)
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13. SACS Approval Status (ljohnson15@una.edu; mpowell7@una.edu)
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15. SACS Final Approval (ljohnson15@una.edu; mpowell7@una.edu)
16. Registrar (mpowell7@una.edu; mmoody4@una.edu)

Approval Path

1. Wed, 05 Apr 2023 22:13:09 GMT
Mitch Powell (mpowell7): Approved for Registrar
2. Thu, 06 Apr 2023 01:13:33 GMT
Lorie Johnson (ljohnson15): Approved for ACHE SACS Substantive Notice
3. Thu, 06 Apr 2023 19:44:11 GMT
Jonathan Sullivan (jsullivan2): Approved for ENIP Chair
4. Thu, 13 Apr 2023 13:42:01 GMT
Payten Perry (pperry): Approved for AS Executive Assistant

New Program Proposal

Date Submitted: Thu, 30 Mar 2023 20:29:47 GMT

Viewing: 476 : Certificate in Chemical Engineering

Last edit: Thu, 06 Apr 2023 01:13:31 GMT

Changes proposed by: pkosborn

Program Title

Certificate in Chemical Engineering

Department Name

Engineering and Industrial Professions

College Name

College of Arts, Sciences, and Engineering

Academic Level

Undergraduate

Program Type

Certificate

CIP Code

140701 - Chemical Engineering.

The proposed change(s) will be effective for the following catalog edition:

2024-2025

Is this program only available online?

No

Is this program offered on campus and online?

No

Brief Description and Rationale for Proposal:

This certificate in Chemical Engineering is designed to give students the opportunity to earn a certificate toward workforce development skills. This certificate can serve as a standalone certificate as well as a pathway into UNA's B.Eng in Engineering. Students will work closely with a faculty advisor to develop a customized plan of study.

Include relevant information concerning UNA's mission and goals (strategic plan)

This proposed program aligns with UNA's Strategic Plan 2019-2024 under Theme Two: Academic Excellence and Innovation, particularly by promoting and supporting an innovative, student-centered academic experience at all levels and in all modalities.

Include relevant information concerning UNA's student learning opportunities

The Certificate in Chemical Engineering provides students with a clear pathway to obtaining 25 credit hours without the requirement of completing an entire bachelor's degree program. It can also serve as a pathway to UNA's B.Eng. in Engineering.

Include relevant information concerning UNA's impact on existing programs

Six courses (13 credit hours) are existing in UNA's curriculum. The other 12 credit hours are being added for this certificate as well as for the pending B.Eng. in Engineering.

Include relevant information concerning UNA's financial implications at the department and college level. Will this involve new equipment, facilities, new faculty, etc?

None.

List the departments or programs on campus consulted on the issues of duplication and overlap.

Department of Engineering and Industrial Professions.

Degree Requirements**Requirements for the Certificate in Chemical Engineering**

Code	Title	Hours
Required Courses		
CH 111	General Chemistry	3
CH 111L	General Chemistry Laboratory	1
CH 112	General Chemistry	3
CH 112L	General Chemistry Laboratory	1
CH 311	Organic Chemistry	4
CH 311L	Organic Chemistry Laboratory	1
CHEG 210	Course CHEG 210 Not Found (Chemical Process Calculations)	3
CHEG 310	Course CHEG 310 Not Found (Chemical Thermodynamics and Reactions)	4
CHEG 320	Course CHEG 320 Not Found (Unit Operations I)	1
CHEG 410	Course CHEG 410 Not Found (Separations Engineering)	3
CHEG 420	Course CHEG 420 Not Found (Unit Operations II)	1
Total Hours		25

Reviewer Comments

Lorie Johnson (ljohnson15) (Thu, 06 Apr 2023 01:13:31 GMT): Certificate notification due to ACHE by July 7, 2023 for Sept. 8, 2023 board meeting.

Key: 476

477: CERTIFICATE IN MANUFACTURING ENGINEERING

In Workflow

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5. AS Curriculum Committee Chair (aecrews@una.edu)
6. AS Dean (rzayac@una.edu)
7. COAD (rpvandiver@una.edu; mpowell7@una.edu)
8. UCC Agenda (smcmillan@una.edu)
9. UCC (none)
10. UCC Chair (none)
11. Board of Trustees (rpvandiver@una.edu)
12. ACHE Approval Status (ljohnson15@una.edu; mpowell7@una.edu)
13. SACS Approval Status (ljohnson15@una.edu; mpowell7@una.edu)
14. Registrar Pre Load (mpowell7@una.edu)
15. SACS Final Approval (ljohnson15@una.edu; mpowell7@una.edu)
16. Registrar (mpowell7@una.edu; mmoody4@una.edu)

Approval Path

1. Wed, 05 Apr 2023 22:13:12 GMT
Mitch Powell (mpowell7): Approved for Registrar
2. Thu, 06 Apr 2023 01:13:51 GMT
Lorie Johnson (ljohnson15): Approved for ACHE SACS Substantive Notice
3. Thu, 06 Apr 2023 19:44:28 GMT
Jonathan Sullivan (jsullivan2): Approved for ENIP Chair
4. Thu, 13 Apr 2023 13:42:04 GMT
Payten Perry (pperry): Approved for AS Executive Assistant

New Program Proposal

Date Submitted: Thu, 30 Mar 2023 21:15:08 GMT

Viewing: 477 : Certificate in Manufacturing Engineering

Last edit: Thu, 06 Apr 2023 01:13:46 GMT

Changes proposed by: pkosborn

Program Title

Certificate in Manufacturing Engineering

Department Name

Engineering and Industrial Professions

College Name

College of Arts, Sciences, and Engineering

Academic Level

Undergraduate

Program Type

Certificate

CIP Code

143601 - Manufacturing Engineering.

The proposed change(s) will be effective for the following catalog edition:

2024-2025

Is this program only available online?

No

Is this program offered on campus and online?

No

Brief Description and Rationale for Proposal:

This certificate in Manufacturing Engineering is designed to give students the opportunity to earn a certificate toward workforce development skills. This certificate can serve as a standalone certificate as well as a pathway into UNA's B.Eng in Engineering. Students will work closely with a faculty advisor to develop a customized plan of study.

Include relevant information concerning UNA's mission and goals (strategic plan)

This proposed program aligns with UNA's Strategic Plan 2019-2024 under Theme Two: Academic Excellence and Innovation, particularly by promoting and supporting an innovative, student-centered academic experience at all levels and in all modalities.

Include relevant information concerning UNA's student learning opportunities

The Certificate in Manufacturing Engineering provides students with a clear pathway to obtaining 24-26 credit hours without the requirement of completing an entire bachelor's degree program. It can also serve as a pathway to UNA's B.Eng. in Engineering.

Include relevant information concerning UNA's impact on existing programs

Five courses (8 to 10 credit hours) are existing in UNA's curriculum. The other 12 credit hours are being added for this certificate as well as for the pending B.Eng. in Engineering.

Include relevant information concerning UNA's financial implications at the department and college level. Will this involve new equipment, facilities, new faculty, etc?

None.

List the departments or programs on campus consulted on the issues of duplication and overlap.

Department of Engineering and Industrial Professions.

Degree Requirements**Requirements for the Certificate in Manufacturing Engineering**

Code	Title	Hours
Required Courses		
PH 241 or PH 251	General Physics I Technical Physics I	4-5
PH 242 or PH 252	General Physics II Technical Physics II	4-5
ET 320	Statics and Strength of Materials	4
ENMF 250	Course ENMF 250 Not Found (Manufacturing Systems and Processes)	3
ENMF 350	Course ENMF 350 Not Found (Quality Control)	3
ENMF 360	Course ENMF 360 Not Found (CAD/CAM for Manufacturing)	3
ENMF 450	Course ENMF 450 Not Found (Manufacturing Automation and Robotics)	3
Total Hours		24-26

Reviewer Comments

Lorie Johnson (ljohnson15) (Thu, 06 Apr 2023 01:13:46 GMT): Certificate notification due to ACHE by July 7, 2023 for Sept. 8, 2023 board meeting.

Key: 477

478: CERTIFICATE IN POWER GENERATION ENGINEERING

In Workflow

1. Registrar (mpowell7@una.edu; mmoody4@una.edu)
2. ACHE SACS Substantive Notice (ljohnson15@una.edu; mpowell7@una.edu)
3. ENIP Chair (jsullivan2@una.edu)
4. AS Executive Assistant (pperry@una.edu; lwright11@una.edu)
5. AS Curriculum Committee Chair (aecrews@una.edu)
6. AS Dean (rzayac@una.edu)
7. COAD (rpvandiver@una.edu; mpowell7@una.edu)
8. UCC Agenda (smcmillan@una.edu)
9. UCC (none)
10. UCC Chair (none)
11. Board of Trustees (rpvandiver@una.edu)
12. ACHE Approval Status (ljohnson15@una.edu; mpowell7@una.edu)
13. SACS Approval Status (ljohnson15@una.edu; mpowell7@una.edu)
14. Registrar Pre Load (mpowell7@una.edu)
15. SACS Final Approval (ljohnson15@una.edu; mpowell7@una.edu)
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Approval Path

1. Wed, 05 Apr 2023 22:13:15 GMT
Mitch Powell (mpowell7): Approved for Registrar
2. Thu, 06 Apr 2023 01:14:16 GMT
Lorie Johnson (ljohnson15): Approved for ACHE SACS Substantive Notice
3. Thu, 06 Apr 2023 19:44:56 GMT
Jonathan Sullivan (jsullivan2): Approved for ENIP Chair
4. Thu, 13 Apr 2023 13:42:09 GMT
Payten Perry (pperry): Approved for AS Executive Assistant

New Program Proposal

Date Submitted: Thu, 30 Mar 2023 21:39:42 GMT

Viewing: 478 : Certificate in Power Generation Engineering

Last edit: Thu, 06 Apr 2023 01:14:07 GMT

Changes proposed by: pkosborn

Program Title

Certificate in Power Generation Engineering

Department Name

Engineering and Industrial Professions

College Name

College of Arts, Sciences, and Engineering

Academic Level

Undergraduate

Program Type

Certificate

CIP Code

144801 - 144801

The proposed change(s) will be effective for the following catalog edition:

2024-2025

Is this program only available online?

No

Is this program offered on campus and online?

No

Brief Description and Rationale for Proposal:

This certificate in Power Generation Engineering is designed to give students the opportunity to earn a certificate toward workforce development skills. This certificate can serve as a standalone certificate as well as a pathway into UNA's B.Eng in Engineering. Students will work closely with a faculty advisor to develop a customized plan of study.

Include relevant information concerning UNA's mission and goals (strategic plan)

This proposed program aligns with UNA's Strategic Plan 2019-2024 under Theme Two: Academic Excellence and Innovation, particularly by promoting and supporting an innovative, student-centered academic experience at all levels and in all modalities.

Include relevant information concerning UNA's student learning opportunities

The Certificate in Power Generation Engineering provides students with a clear pathway to obtaining 25-27 credit hours without the requirement of completing an entire bachelor's degree program. It can also serve as a pathway to UNA's B.Eng. in Engineering.

Include relevant information concerning UNA's impact on existing programs

Five courses (12 to 14 credit hours) are existing in UNA's curriculum. The other 13 credit hours are being added for this certificate as well as for the pending B.Eng. in Engineering.

Include relevant information concerning UNA's financial implications at the department and college level. Will this involve new equipment, facilities, new faculty, etc?

None.

List the departments or programs on campus consulted on the issues of duplication and overlap.

Department of Engineering and Industrial Professions.

Degree Requirements**Requirements for the Certificate in Power Generation Engineering**

Code	Title	Hours
Required Courses		
PH 241 or PH 251	General Physics I Technical Physics I	4-5
PH 242 or PH 252	General Physics II Technical Physics II	4-5
ET 320	Statics and Strength of Materials	4
PWEG 240	Course PWEG 240 Not Found (Fundamentals of Commercial Power Generation)	2
PWEG 345	Course PWEG 345 Not Found (Power Plant Equipment and Systems)	4
PWEG 355	Course PWEG 355 Not Found (Transmission, Distribution, and Grid Systems)	3
PWEG 440	Course PWEG 440 Not Found (Electric Power Reliability and Maintenance)	4
Total Hours		25-27

Reviewer Comments

Lorie Johnson (ljohnson15) (Thu, 06 Apr 2023 01:14:07 GMT): Certificate notification due to ACHE by July 7, 2023 for Sept. 8, 2023 board meeting.

Key: 478

480: CERTIFICATE IN ENGINEERING MANAGEMENT

In Workflow

1. Registrar (mpowell7@una.edu; mmoody4@una.edu)
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3. ENIP Chair (jsullivan2@una.edu)
4. AS Executive Assistant (pperry@una.edu; lwright11@una.edu)
5. AS Curriculum Committee Chair (aecrews@una.edu)
6. AS Dean (rzayac@una.edu)
7. COAD (rpvandiver@una.edu; mpowell7@una.edu)
8. UCC Agenda (smcmillan@una.edu)
9. UCC (none)
10. UCC Chair (none)
11. Board of Trustees (rpvandiver@una.edu)
12. ACHE Approval Status (ljohnson15@una.edu; mpowell7@una.edu)
13. SACS Approval Status (ljohnson15@una.edu; mpowell7@una.edu)
14. Registrar Pre Load (mpowell7@una.edu)
15. SACS Final Approval (ljohnson15@una.edu; mpowell7@una.edu)
16. Registrar (mpowell7@una.edu; mmoody4@una.edu)

Approval Path

1. Wed, 05 Apr 2023 22:13:17 GMT
Mitch Powell (mpowell7): Approved for Registrar
2. Thu, 06 Apr 2023 01:14:36 GMT
Lorie Johnson (ljohnson15): Approved for ACHE SACS Substantive Notice
3. Thu, 06 Apr 2023 19:45:19 GMT
Jonathan Sullivan (jsullivan2): Approved for ENIP Chair
4. Thu, 13 Apr 2023 13:42:13 GMT
Payten Perry (pperry): Approved for AS Executive Assistant

New Program Proposal

Date Submitted: Wed, 05 Apr 2023 21:57:14 GMT

Viewing: 480 : Certificate in Engineering Management

Last edit: Thu, 06 Apr 2023 01:14:27 GMT

Changes proposed by: mpowell7

Program Title

Certificate in Engineering Management

Department Name

Engineering and Industrial Professions

College Name

College of Arts, Sciences, and Engineering

Academic Level

Undergraduate

Program Type

Certificate

CIP Code

151501 - Engineering/Industrial Management.

The proposed change(s) will be effective for the following catalog edition:

2024-2025

Is this program only available online?

No

Is this program offered on campus and online?

No

Brief Description and Rationale for Proposal:

This certificate in Engineering Management is designed to give students the opportunity to earn a certificate toward workforce development skills. This certificate can serve as a standalone certificate as well as a pathway into UNA's B.Eng in Engineering. Students will work closely with a faculty advisor to develop a customized plan of study.

Include relevant information concerning UNA's mission and goals (strategic plan)

This proposed program aligns with UNA's Strategic Plan 2019-2024 under Theme Two: Academic Excellence and Innovation, particularly by promoting and supporting an innovative, student-centered academic experience at all levels and in all modalities.

Include relevant information concerning UNA's student learning opportunities

The Certificate in Engineering Management provides students with a clear pathway to obtaining 15 credit hours without the requirement of completing an entire bachelor's degree program. It can also serve as a pathway to UNA's B.Eng. in Engineering.

Include relevant information concerning UNA's impact on existing programs

One course (3 credit hours) are existing in UNA's curriculum. The other 12 credit hours are being added for this certificate as well as for the pending B.Eng. in Engineering.

Include relevant information concerning UNA's financial implications at the department and college level. Will this involve new equipment, facilities, new faculty, etc?

None.

List the departments or programs on campus consulted on the issues of duplication and overlap.

Department of Engineering and Industrial Professions.

Degree Requirements**Requirements for the Certificate in Engineering Management**

Code	Title	Hours
Required Courses		
MG 331	Leadership and Organizational Behavior	3
MGE 270	Course MGE 270 Not Found (Introduction to Engineering Management)	3
MGE 380	Course MGE 380 Not Found (Engineering Project Management)	3
Six hours of upper level MGE electives		6
Total Hours		15

Reviewer Comments

Lorie Johnson (ljohnson15) (Thu, 06 Apr 2023 01:14:27 GMT): Certificate notification due to ACHE by July 7, 2023 for Sept. 8, 2023 board meeting.

Key: 480