

# Associate in Engineering Degree (A10500)

To earn the **Associate in Engineering (AE)** degree, all students are required to complete:

- 6 credits of UGETC English Composition
  - ENG-111 and ENG-112
- 3 credits of Humanities from
  - ENG-231, ENG-232, PHI-215, or PHI-240
- 3 credits of Fine Arts/Communications from
  - ART-111, ART-114, ART-115, COM-231, MUS-110, or MUS-112
- 3 credits of Microeconomics
  - ECO-251
- 3 credits of Social/Behavioral Sciences from
  - HIS-111, HIS-112, HIS-131, HIS-132, POL-120, PSY-150, or SOC-210
- 12 credits of Mathematics
  - MAT-271, MAT-272, and MAT-273
- 12 credits of Natural Sciences
  - CHM-151, PHY-251, and PHY-252
- 3 credits of approved General Education from
  - BIO-111, CHM-152, COM-110, COM-231, ECO-252, GEL-111, HUM-110, and PHI-240
- 1 credit of ACA-122
- 2 credits of EGR-150
- 12 credits of approved \*Engineering electives from
  - BIO-111, CHM-152, CHM-251, CHM-252 COM-110, COM-231, CSC-134, CSC-151, DFT-170, ECO-252, EGR-212, EGR-220, EGR-225, GEL-111 HUM-110, MAT-280, MAT-285, PED-110



\*Engineering Electives should be selected based on the Engineering discipline and University to which you plan to transfer. Please speak to your advisor prior to selecting any Engineering electives

The course sequence outlined below is suggested for **full-time students** pursuing an **Associate of Engineering (AE)** degree, who have placed out of all developmental courses.

First Semester	Credit Hours
MAT-271	4
CHM-151	4
ENG-111	3
ACA-122	1
EGR-150	2
<b>Total Number of Credit Hours 1<sup>st</sup> Semester</b>	<b>14</b>

Second Semester	Credit Hours
MAT-272	4
PHY-251	4
ENG-112	3
ECO-251	3
<b>Total Number of Credit Hours 2<sup>nd</sup> Semester</b>	<b>14</b>

Third Semester	Credit Hours
MAT-273	4
Humanities ENG-231, ENG-232, PHI-215, or PHI-240	3
Fine Arts/Communication ART-111, ART-114, ART-115, COM-231, MUS-110, or MUS-112	3
* Engineering Elective	3
* Engineering Elective	3
<b>Total Number of Credit Hours 3<sup>rd</sup> Semester</b>	<b>16</b>

Fourth Semester	Credit Hours
PHY-252	4
Social/Behavioral Science HIS-111, HIS-112, HIS-131, HIS-132, POL-120, PSY-150, or SOC-210	3
* Engineering Elective	3
* Engineering Elective	3
* Engineering Elective	3
<b>Total Number of Credit Hours 4<sup>th</sup> Semester</b>	<b>16</b>

**THIS SHEET IS FOR ADVISING PURPOSES ONLY.** Students should work with their Advisor to determine course selections that will result in the greatest transferrable credit, for the intended program, upon transfer to the four-year school.

\*Note\* Students taking 4 credit electives may exceed the required 60 credit hours.

\*Note\* Transfer students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution. Students who wish to take Foreign Language should begin the sequence in the first or second semester.

Foreign Language courses will count toward the additional General Education or pre-major courses for degree completion. For students who select Foreign Language courses, the required UGETC courses in Humanities/Fine Arts and/or in Behavioral/Social Sciences can be delayed until the third semester.

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The course sequence outlined below is suggested for part-time students pursuing an **Associate of Engineering (AE)** degree, who have placed out of all developmental courses.

First Semester	Credit Hours
MAT-271	4
EGR-150	2
ACA-122	1
<b>Total Number of Credit Hours 1<sup>st</sup> Semester</b>	<b>7</b>

Second Semester	Credit Hours
MAT-272	4
ENG-111	3
<b>Total Number of Credit Hours 2<sup>nd</sup> Semester</b>	<b>7</b>

Third Semester	Credit Hours
PHY-251	4
MAT-273	4
<b>Total Number of Credit Hours 3<sup>rd</sup> Semester</b>	<b>8</b>

Fourth Semester	Credit Hours
PHY-252	4
ENG-112	3
<b>Total Number of Credit Hours 4<sup>th</sup> Semester</b>	<b>7</b>

Fifth Semester	Credit Hours
CHM-151	4
Fine Arts/Communication ART-111, ART-114, ART-115, COM-231, MUS-110, or MUS-112	3
<b>Total Number of Credit Hours 5<sup>th</sup> Semester</b>	<b>7</b>

Sixth Semester	Credit Hours
ECO-251	3
Humanities ENG-231, ENG-232, PHI-215, or PHI-240	3
<b>Total Number of Credit Hours 6<sup>th</sup> Semester</b>	<b>6</b>

Seventh Semester	Credit Hours
*Engineering Elective	3
Social/Behavioral Science HIS-111, HIS-112, HIS-131, HIS-132, POL-120, PSY-150, or SOC-210	3
<b>Total Number of Credit Hours 7<sup>th</sup> Semester</b>	<b>6</b>

Eighth Semester	Credit Hours
*Engineering Elective	3
*Engineering Elective	3
<b>Total Number of Credit Hours 8<sup>th</sup> Semester</b>	<b>6</b>

Ninth Semester	Credit Hours
*Engineering Elective	3
*Engineering Elective	3
<b>Total Number of Credit Hours 9<sup>th</sup> Semester</b>	<b>6</b>

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**\*Note\*** Students taking 4 credit electives may exceed the required 60 credit hours.

**\*Note\*** Transfer students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution. Students who wish to take Foreign Language should begin the sequence in the first or second semester. Foreign Language courses will count toward the additional General Education or pre-major courses for degree completion. For students who select Foreign Language courses, the required UGETC courses in Humanities/Fine Arts and/or in Behavioral/Social Sciences can be delayed until the third semester.