

## Associate in Engineering A10500

### 2019FA-2020SP Local Advising Check Sheet

Final graduation verification will be completed in the Records office using the state level approved Program of Study.

**GENERAL EDUCATION (42 SHC):** The general education common course pathway includes study in the areas of English composition; humanities and fine arts; social and behavioral sciences; natural sciences and mathematics

#### UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT (UGETC)

*(All Universal General Education Transfer Component courses will transfer for equivalency credit to UNC Universities.)*

**UGETC courses are listed in bold. Non-UGETC courses are in italics on this page.**

#### English Composition (6 SHC)

*The following two English composition courses are required.*

Semester Hours Credit

<b>ENG 111</b>	<b>Writing &amp; Inquiry</b>	(3)
<b>ENG 112</b>	<b>Writing/Research in the Disciplines</b>	(3)

#### Humanities/Fine Arts/Communications (6 SHC)

*Select one course from each category.*

Semester Hours Credit

**Humanities:** *Select one.*

<b>ENG 231</b>	<b>American Literature I</b>	(3)
<b>ENG 232</b>	<b>American Literature II</b>	(3)
<b>PHI 215</b>	<b>Philosophical Issues</b>	(3)
<b>PHI 240</b>	<b>Introduction to Ethics</b>	(3)
<i>REL 110</i>	<i>World Religions</i>	(3)

**Fine Arts and Communication:** *Select one*

<b>COM 231</b>	<b>Public Speaking</b>	(3)
<b>ART 111</b>	<b>Art Appreciation</b>	(3)
<b>ART 114</b>	<b>Art History Survey I</b>	(3)
<b>ART 115</b>	<b>Art History Survey II</b>	(3)
<b>MUS 110</b>	<b>Music Appreciation</b>	(3)
<b>MUS 112</b>	<b>Introduction to Jazz</b>	(3)

#### Social/Behavioral Sciences (6 SHC)

*Select one course from each category.*

Semester Hours Credit

**Required Course:**

<b>ECO 251</b>	<b>Principles of Microeconomics</b>	(3)
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**Select one:**

<b>HIS 111</b>	<b>World Civilizations I</b>	(3)
<b>HIS 112</b>	<b>World Civilizations II</b>	(3)
<b>HIS 131</b>	<b>American History I</b>	(3)
<b>HIS 132</b>	<b>American History II</b>	(3)
<b>POL 120</b>	<b>American Government</b>	(3)
<b>PSY 150</b>	<b>General Psychology</b>	(3)
<b>SOC 210</b>	<b>Introduction to Sociology</b>	(3)

#### Mathematics (12 SHC)

*Calculus I is the lowest level math course that will be accepted by the engineering programs for transfer as math credit. Students who are not calculus-ready will need to take additional math courses.*

**Required courses:**

Semester Hours Credit

<b>MAT 271</b>	<b>Calculus I</b>	(4)
<b>MAT 272</b>	<b>Calculus II</b>	(4)
<i>MAT 273</i>	<i>Calculus III</i>	(4)

#### Natural Sciences (12 SHC)

Semester Hours Credit

<b>CHM 151</b>	<b>General Chemistry I</b>	(4)
<b>PHY 251</b>	<b>General Physics I</b>	(4)
<b>PHY 251</b>	<b>General Physics II</b>	(4)

## OTHER REQUIRED HOURS (18 SHC)

### Academic Transition

Semester Hours Credit

The following course is **required**: ACA 122 College Transfer Success

(1)

### Pre-major/Elective (2 SHC)

Semester Hours Credit

The following course is **required**: EGR 150 Intro to Engineering

(2)

**Other General Education and Pre-major/Elective Hours (15 SHC)** : Select 15 SHC of courses from the following courses classified as pre-major, elective or general education courses within the Comprehensive Articulation Agreement. Students should choose courses appropriate to the specific university and engineering major requirements.

### Courses listed below may not be offered at Forsyth Tech every semester.

Semester Hours Credit

<b>BIO 111</b>	<b>General Biology I</b>	(4)
<b>CHM 152</b>	General Chemistry II	(4)
<i>COM 110</i>	<i>Introduction to Communication</i>	(3)
<i>CSC 134</i>	<i>C++ Programming</i>	(3)
<i>CSC 151</i>	<i>AVA Programming</i>	(3)
<i>DFT 170</i>	<i>Engineering Graphics</i>	(3)
<b>ECO 252</b>	<b>Principles of Macroeconomics</b>	<b>(3)</b>
<i>EGR 210</i>	<i>Introduction to Electrical/Computer Engineering Lab</i>	(2)
<i>EGR 212</i>	<i>Logic System Design I</i>	(3)
<i>EGR 215</i>	<i>Network Theory I</i>	(3)
<i>EGR 216</i>	<i>Logic and Network Lab</i>	(1)
<i>EGR 220</i>	<i>Engineering Statics</i>	(3)
<i>EGR 225</i>	<i>Engineering Dynamics</i>	(3)
<i>EGR 228</i>	<i>Introduction to Solid Mechanics</i>	(3)
<i>HUM 110</i>	<i>Technology and Society</i>	(3)
<i>MAT 280</i>	<i>Linear Algebra</i>	(3)
<i>MAT 285</i>	<i>Differential Equations</i>	(3)
<i>PED 110</i>	<i>Fitness and Wellness for Life</i>	(2)
<i>WBL 111</i>	<i>(Students may qualify for work-based learning; see your advisor for details)</i>	(1)

### TOTAL CREDIT HOURS IN PROGRAM: 60

(Minimum of 60 SHC required to graduate.)

**\*\*\*\*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.\*\*\*\***

It is strongly recommended that students be Calculus-ready prior to beginning this Program of Study!