

# Computer Science, Information Systems and Engineering

## A.S. in Technology Studies: UAS Technology

### Program Description

The Associate of Science in Technology Studies: UAS Technology (Unmanned Aerial Systems/Drone Technology) prepares students to design, construct and deploy commercial-grade civilian drones.

### Delivery Mode

Traditional (on campus)

### Curriculum

Course	Credits
<b>First Semester</b>	<b>17</b>
<b>EAS 104</b> Intro to Meteorology	4
<b>GET 130</b> Intro to Engineering Tech	3
<b>MAT 181</b> College Algebra	3
<b>UAS 110</b> Intro to Unmanned Aerial Vehicles	3
<b>UNI 100</b> First-Year Seminar	1
General Education Course	3
<b>Second Semester</b>	<b>15</b>
<b>COM 250</b> Oral Communication Mgmt	3
<b>ENG 101</b> English Composition I	3
<b>MAT 191</b> College Trigonometry	3
<b>UAS 120</b> Principles of Aviation	3
<b>UAS 160</b> UAS Design and Construction	3
<b>Third Semester</b>	<b>14 or 15</b>
<b>ENG 217</b> Scientific and Technical Writing	3
<b>GIS 350</b> Remote Sensing of Environment	3
<b>PHY 121</b> General Physics	4
<b>UAS 220</b> UAV Operations	3
Technical Elective	1 or 2
<b>Fourth Semester</b>	<b>13 or 14</b>
<b>PHY 121</b> General Physics	4
<b>UAS 270</b> Avionic Systems	3

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Course	Credits
<b>UAS 310</b> UAS Sensing & Analytics	3
Technical Elective	3 or 4
<b>Total</b>	<b>60</b>

## Technical Electives (5 credits)

Five credits are required from the specified "Approved Technical Electives" list.

## Approved Technical Electives

- **EAS 315** Surface Geology for Land Mgmt. (3 cr)
- **ENS 101** Intro to Environmental Science (3 cr)
- **GIS 314** Spatial Land Data in the Oil and Gas Industry (3 cr)
- **ITE 101** Intro to Industrial Safety (3 cr)
- **RET 110** Agile Robotics I (3 cr)
- **RET160** Agile Robotics II (3 cr)
- **UAS 250** UAS Certification Prep (1 cr)
- Others per adviser approval

## Program Webpage

<https://www.calu.edu/academics/undergraduate/associate/drone-technology/index.aspx>