

Unmanned Aircraft Systems Operations – Helicopter: Medium/High Altitude Long Endurance UAS Commercial Applications and Operations

2023-2024

Name: _____

Student ID: _____

Essential Studies: Communication (9 credits)

| | | | Enrolled/Completed |
|-------------------|---|---|--------------------|
| English 110 | Composition 1 | 3 | |
| English 130 | College Composition II: Writing for Public Audiences | 3 | |
| Communication 110 | Fundamentals of Public Speaking **ORAL Requirement (O) | 3 | |

Essential Studies: Social Science (9 credits minimum-must be taken in a minimum of 2 departments)

| | | | Enrolled/Completed |
|--|--|---|--------------------|
| | | 3 | |
| | | 3 | |
| | | 3 | |

Essential Studies: Arts and Humanities (9 credits minimum-must be taken in a minimum of 2 departments)

| | | | Enrolled/Completed |
|--|--|---|--------------------|
| Note: one 3 credit course must meet the Fine Arts requirement # | | 3 | |
| AND one 3 credit course must meet the Humanities requirement | | 3 | |
| One 3 credit course must meet Fine Arts or Humanities | | 3 | |

NOTE: In either the Social Science or Arts and Humanities area, one three credit course must meet the Analyzing Worldview course requirement (W), and one three credit course must meet the Diversity in Human Experience course requirement (D).

Essential Studies: Math, Science, Technology (9 Credits)

| | | | Enrolled/Completed |
|--------------------------------|-------------------------------|---|--------------------|
| ATSC 110/110L | Meteorology and lab | 4 | |
| Math 103 | College Algebra | 3 | |
| Computer Science 130 OR | Intro to Scientific Computing | 4 | |
| Computer Science 160 | Computer Science I | 4 | |
| AND CSCI 290 | Cyber-Security Info Assurance | 3 | |

Select one of the following

| | | | Enrolled/Completed |
|-------------|--|---|--------------------|
| BADM 225 | Professional Communication for Business | 3 | |
| English 227 | Intro to Literature and Culture (Humanities) | 3 | |
| English 230 | Analyzing Worldview through Story | 3 | |
| English 308 | The Art of Writing Non-Fiction (Fine Arts) | 3 | |

Flight Related courses (Required Grade of "C" or better)

| | | | Enrolled/Completed |
|--------------|---|---|--------------------|
| Aviation 142 | Introduction to Aviation | 5 | |
| Aviation 143 | Private Pilot Certification | 1 | |
| Aviation 238 | UAS Operations Certification | 3 | |
| Aviation 241 | Commercial Helicopter | 4 | |
| Aviation 242 | Introduction to Commercial Flying | 1 | |
| Aviation 247 | R44 Helicopter Transition **If no R44 Experience | 1 | |
| Aviation 337 | Survey of UAS | 2 | |
| Aviation 342 | IFR Regulations and Procedures | 3 | |
| Aviation 343 | Instrument Rating Certification | 3 | |

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|--------------|--------------------------------|---|--|
| Aviation 444 | Helicopter Advanced Operations | 4 | |
| Aviation 445 | Commercial Pilot Certification | 1 | |
| Aviation 438 | UAS Operations | 4 | |

Non-flight related courses (Required Grade of “C” or better)

| | | | Enrolled/Completed |
|----------------------|---|---|--------------------|
| Aviation 100 | Aviation Orientation | 1 | |
| Aviation 103 | Intro to Air Traffic Management | 2 | |
| Aviation 126/126 Lab | Intro to UAS Operations | 2 | |
| Aviation 208 | Aviation Safety | 3 | |
| Aviation 239 | Autonomous Fundamentals | 2 | |
| Aviation 240 | UAS Enabling Concepts | 3 | |
| Aviation 250 | Human Factors | 2 | |
| Aviation 331 | UAS Flight Systems | 4 | |
| Aviation 333 | UAS Remote Sensing | 4 | |
| Aviation 403 | Aerospace Law | 3 | |
| Aviation 430 | Crew Resource Management | 3 | |
| Aviation 450 | Counter UAS Applications | 3 | |
| Aviation 485 | Aviation Senior Capstone (Advance Communication/Capstone) | 3 | |

OTHER REQUIREMENT

| | | | Enrolled/Completed |
|----------|----------------------|---|--------------------|
| ATSC 231 | Aviation Meteorology | 4 | |

Electives (to reach 120 credits required to graduate)

| | | | Enrolled/Completed |
|--|--|--|--------------------|
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|--|-----------------------------|----------------------------------|
| Credits completed (required 120): | Credits enrolled in: | Total at end of semester: |
|--|-----------------------------|----------------------------------|

| | | |
|--|------------------------------------|----------------------------------|
| Upper division completed—300/400 (required 36): | Upper division enrolled in: | Total at end of semester: |
|--|------------------------------------|----------------------------------|

Other Graduation Requirements: Analyzing Worldview Course (W): _____; Diversity in Human

Experience (D): _____; Advance Communication (A): _____; Capstone (C): _____ Qualitative (Q): _____

Essential Studies (ES) Credits: 39; Credits at UND: 30

GPA: Cumulative _____ Institutional _____ REQUIRED: 2.60 (Institutional/Cumulative)

Completed by: _____ Date: _____

X = ENROLLED ✓ = COMPLETED