

# AEROSPACE ENGINEERING CHECK SHEET

129 Hours Minimum for Graduation

## GENERAL

**COMMUNICATIONS (9 hrs.)**

Grades of C- or better are required in all three of the Communications courses below

- ENGL 101 (3)
- ENGL 102 (3)
- COMM 111 (3)

**GENERAL EDUCATION (18 hrs.)**

All six courses must be chosen from the approved General Education Program Course listing in the WSU Undergraduate Catalog.

1 Introductory <b>Fine Arts</b> Course
1 Introductory <b>Humanities</b> Course
1 Introductory Course in <b>Social and Behavioral Sciences</b> (not in ECON)
1 Advanced Further Studies Course in the <b>Humanities</b> or <b>Social and Behavioral Sciences</b> (not in PHIL)
<b>ECON 201</b> (required by AE program)
<b>PHIL 385</b> (required by AE program)

**ENGINEER OF 2020**

Students must complete **three** out of the following six categories: (1) Undergraduate Research; (2) Cooperative Education/Internship; (3) Global Learning/Study Abroad; (4) Service Learning; (5) Leadership; (6) Multi-Disciplinary.

**MATHEMATICS & NATURAL SCIENCES (33 hrs.)**

**Math**

- MATH 242 (5)  
(P: See WSU Catalog)
- MATH 243 (5)  
(P: MATH 242 with a C or better)
- MATH 344 (3)  
(P: MATH 243 with a C or better)

- (PHYS 313, C: MATH 243)
- EE 282 (4)  
(C: MATH 243)
- ME 398 (3)  
(P: MATH 243 with a C or better, PHYS 313 with a C or better)

**REQUIRED COURSES (53 hrs.)**

- IME 222 (2)  
(P: MATH 123 or equiv.)
- IME 222L (1)  
(P: MATH 123 or equiv.)
- AE 227 (3) – Offered Fall/Spring  
(C: MATH 243)
- ME 250 (3)  
(P: MATH 242 with a C or better, CHEM 211 with a C or better)
- AE 324 (3) – Offered Fall/Spring  
(P: AE 223 with a C or better, C: AE 227)
- AE 333 (3) – Offered Fall/Spring/Summer  
(P: AE 223 with a C or better, C: MATH 344 OR MATH 555)
- AE 373 (3) – Offered Fall/Spring/Summer  
(P: AE 223 with a C or better, MATH 344)
- AE 415 (3) – Offered Fall Only  
(P: AE 373 with a C or better, AE 227, C: MATH 555)
- AE 424 (3) – Offered Fall/Spring  
(P: MATH 555, AE 324 with a C or better, AE 373)
- AE 502 (3) – Offered Spring Only  
(P: AE 227, AE 373, ME 398, C: AE 424)
- AE 512 (3) – Offered Fall/Spring  
(P: AE 333, AE 424, C: AE 524)
- AE 514 (3) – Offered Spring Only  
(P: AE 415, C: AE 424)
- AE 524 (3) – Offered Fall/Spring  
(P: AE 424)
- AE 525 (3) – Offered Fall Only  
(P: AE 333 with a C or better, C: MATH 555)
- AE 528 (4) – Offered Fall Only  
(P: AE 502, AE 514, AE 525)
- AE 607 (3) – Offered Fall Only  
(P: AE 514)
- AE 625 (3) – Offered Spring Only  
(P: AE 333, AE 525)
- AE 628 (4) – Offered Spring Only  
(P: AE 528)

**AE TECHNICAL ELECTIVES (6 hrs.)** – Offered Fall/Spring

Technical elective classes allow you to either broaden or to enhance your technical knowledge. These courses must be taken from aerospace engineering - preferably during your senior year and only after carefully considering career goals and consulting with your faculty advisor.

- Biology – 210, 211, 223, 310, 370, 5\_\_ or above
- Chemistry – 212, 301, 5\_\_ or above
- Geology – 102, 111, 235, 3\_\_ or above
- Physics – 195, 196, 3\_\_ or above
- Math –

