

Associate of Science Degree
General Engineering
Planning Sheet
2009-2010
Highline Community College

This worksheet is not intended as a substitute for meeting with an Engineering Advisor.
 For advising help visit: <http://flightline.highline.edu/engineering/>

<u>Courses Required For A.S. Degree (40 credits)</u>			<u>Planned Qtr/Year</u>
<input type="checkbox"/>	ENGL& 101	(5 cr) English Composition I	_____
<input type="checkbox"/>	MATH& 151	(5 cr) Calculus I	_____
<input type="checkbox"/>	MATH& 152	(5 cr) Calculus II	_____
<input type="checkbox"/>	MATH& 153	(5 cr) Calculus III	_____
<input type="checkbox"/>	PHYS 201	(5 cr) Mechanics	_____
<input type="checkbox"/>	PHYS 202	(5 cr) Electricity & Magnetism	_____
<input type="checkbox"/>	PHYS 203	(5 cr) Modern Physics	_____
<input type="checkbox"/>	CHEM& 161	(5 cr) General Chem w/Lab I	_____

<u>Humanities and Social Sciences (15 credits)</u>			
<input type="checkbox"/>	Humanities	(5 cr)	_____
<input type="checkbox"/>	Social Science	(5 cr)	_____
<input type="checkbox"/>	Humanities or Social Science	(5 cr)	_____

Additional Courses (36 credits)

A minimum of 36 credit hours should be taken from the following list. Students do not need to take all of the courses on the list. Particular course requirements depend on institution and major.

<input type="checkbox"/>	BIOL& 211	(5 cr) Majors Cellular	_____
<input type="checkbox"/>	BIOL& 212	(5 cr) Majors Animal	_____
<input type="checkbox"/>	CHEM& 162	(5 cr) General Chem w/Lab II	_____
<input type="checkbox"/>	CHEM& 163	(5 cr) General Chem w/Lab III	_____
<input type="checkbox"/>	CHEM& 261	(5 cr) Organic Chem w/Lab I	_____
<input type="checkbox"/>	CHEM& 262	(5 cr) Organic Chem w/Lab II	_____
<input type="checkbox"/>	C SCI 142	(5 cr) Obj-Orient Programming I Java	_____
<input type="checkbox"/>	C SCI 143	(5 cr) Obj-Orient Programming II Java	_____
<input type="checkbox"/>	C SCI 151	(5 cr) Exploring Computer Science C++	_____
<input type="checkbox"/>	CSCI 152	(5 cr) Data Structures with C++ and .NET	_____
<input type="checkbox"/>	DRAFT 124	(5 cr) SolidWorks	_____
<input type="checkbox"/>	DRAFT 126	(5 cr) AutoCAD	_____
<input type="checkbox"/>	ENGL &235	(5 cr) Technical Writing	_____
<input type="checkbox"/>	ENGR 100	(2 cr) Orientation to Engr Careers	_____
<input type="checkbox"/>	ENGR& 114	(5 cr) Engineering Graphics	_____
<input type="checkbox"/>	ENGR& 204	(5 cr) Electrical Circuits	_____
<input type="checkbox"/>	ENGR& 215	(5 cr) Dynamics	_____
<input type="checkbox"/>	ENGR& 225	(5 cr) Mechanics of Materials	_____
<input type="checkbox"/>	ENGR& 224	(5 cr) Thermodynamics	_____
<input type="checkbox"/>	MATH 220	(5 cr) Linear Algebra	_____
<input type="checkbox"/>	MATH 230	(5 cr) Differential Equations	_____
<input type="checkbox"/>	MATH& 254	(5 cr) Calculus IV	_____

Total credits = 91

AS Planning Sheet

With your faculty advisor, use the area below to plan the classes that you will take each quarter. **All students should take Engr 100 as early as possible during their first year.** Remember not all classes are offered every quarter.

Fall	Winter	Spring	Summer

Fall	Winter	Spring	Summer

Fall	Winter	Spring	Summer

Advisor/Student notes:

Advisor Name _____

Advisor Email _____

Advisor Phone Ext. _____

This worksheet is not intended to substitute for planning with your faculty advisor. Check with the university that you plan to transfer to regarding classes and GPA admissions standards.

Engineering Advisors: Richard Bankhead, Building 29-238, rbankhea@highline.edu
Judy Mannard, Building 29-307, jmannard@highline.edu

Social Sciences and Humanities Distribution Courses for AS Degree

Humanities

Arabic 123

Art&100

Art 101-103, 105, 110, 111-115,
120, 124, 125-126, 130, 131, 134, 137,
142, 150, 155, 171-173,181

ASL & 123

Communication Studies& 101, 102, 210, 220, 230; Communication Studies 200, 205

Chinese& 123, 221, 222, 223

DGS 115, 118, 155, 175

Drama& 101;

Drama 102, 103, 105, 110, 111, 115,

118, 121-122, 131-133, 135, 138, 160, 170, 221, 222, 225, 235, 250, 260, 270, 280

English& 111, 112, 113, 220, 226, 227, 235, 244, 245, 246, 254;

English 115, 121,122, 134, 145, 200, 201, 205, 211, 220, 234, 247, 257, 265

Film Studies 105, 107, 108, 205, 207

French& 123

Honors 100, 101, 299

Humanities& 116, 117, 118;

Humanities 100, 101, 103, 104, 105, 110, 120, 125, 185, 250

Japanese& 123, 221, 222, 223

Journalism 101, 201, 202, 203

Music& 105, 121, 122, 123, 131, 132, 133, 231, 232, 233: Music 100, 104, 105, 106, 107, 109,
110, 112, 116-118, 125, 126, 127, 128, 130, 134, 142, 150, 161, 170-175, 181, 182, 183, 185-
187, 204-206, 210-215, 231-233, 281-285

Philosophy& 101; Philosophy 110, 115, 130, 145, 150, 155, 160, 200

Spanish& 123, 221, 222, 223

**A student who has successfully completed two years of one foreign language in High School or its college equivalent may receive distribution for 121 or 122 in a different foreign language.

Social Sciences

Anthropology& 100, 104, 125, 204, 206, 207, 229, 234,

DGS 110, 136, 137, 160, 165, 186, 200, 205, 206

Economics& 201, 202; Economics 110, 221

Geography 100, 120, 160, 200, 205, 207, 250

History& 116, 117, 118, 146, 147, 148, 214; History 115, 120, 125, 131,

132, 133, 135, 148, 160, 175, 208, 235, 251, 252, 260

Political Science& 200, 202, 204; Political Science 110, 125, 135, 150, 160, 170, 180, 185, 186,
190, 201

Psychology& 100, 200, 220; Psychology 120, 125, 130, 152, 202, 205, 210, 250

Sociology& 101, 201: Sociology 115, 130, 200, 210

Guidelines for completion of AS degree.

1. Degree can not include more than 5 credits from "Restricted" area classes including Professional/Technical degree classes, Cooperative Education or CLEP classes, or study skills or career exploration classes. If you have questions, consult your faculty advisor.
2. Electives must be pre-approved by your faculty advisor and can not be altered without your faculty advisor approval.
3. A minimum cumulative GPA of 2.00 is required for graduation. Ninety credits numbered over 100 are required and 23 of your 90 credits of your AS degree must be earned from Highline Community College.
4. Students are encouraged to take all Math and Science sequences at one institution.
5. To best prepare for your transfer, it is strongly recommended that you work closely with your faculty advisor.