

DEGREE REQUIREMENTS FOR BACHELOR OF SCIENCE IN INDUSTRIAL DESIGN

NAME: _____ ID#: _____ CUMULATIVE GPA: _____

Fall 1 st Year (16 cr)				Spring 1 st Year (15 cr)			
COURSE		Sem.	Grade	COURSE		Sem.	Grade
AD 150	Color and Composition	3		AD 111	Communication in Art/Design: Traditional	3	
AD 161	History of Art/Design I	3		AD 112	Communication in Art/Design: Digital	3	
CS 104	Programming & Graphics (GUR)	3		AD 162	History of Art/Design II	3	
MATH 113*	Finite Math & Calc I (GER)	3		MATH 105	Elem Prob & Stats (GER)	3	
HUM 101	English Writ, Spk, Think I (GER)	3		HUM 102	English Writ, Spk, Think II (GER)	3	
PE XXX	Phys Ed	1					
Frsh Sem	Freshman Seminar	0					

Fall 2 nd Year (17 cr)				Spring 2 nd Year (16 cr)			
COURSE		Sem.	Grade	COURSE		Sem.	Grade
ID 263	ID Studio I	4		ID 264	ID Studio II	4	
ID 203	Past, Pres, Fut of Design	3		AD 201	Human Factors/Erg.	3	
ID 216	Modeling and Prototyping	3		ID 217	Modeling & Manuf.	3	
ID 312	Mechanics & Electronics	3		STS 210/830:101	General Psychology or Principles of Psychology I (Rutgers) (GER)	3	
PHYS 102	General Physics (GER)	3		Science GER	Scientific Literacy (GER)	3	
PHYS 102A	Physics Lab (GER)	1					

Fall 3 rd Year (14 cr)				Spring 3 rd Year (14 cr)			
COURSE		Sem.	Grade	COURSE		Sem.	Grade
ID 363	ID Studio III	5		ID 364	ID Studio IV	5	
ID 340	Materials & Processes	3		ID 341	Sustainable Mat & Proc.	3	
ID 310	Ethnographic & Mark. Research	3		AD/DD/INT/FA/ID/ARCH	Design Elective	3	
ECON/MGMT/ENTR 200+ level GER	Social Science Literacy (GER)	3		300+ level GER	Humanities & History (GER)	3	

Fall 4 th Year (14 cr)				Spring 4 th Year (14 cr)			
COURSE		Sem.	Grade	COURSE		Sem.	Grade
AD 463	Collaborative Des. Studio	5		ID 464	Comprehensive Studio	5	
AD/DD/INT/FA/ID/ARCH	Design Elective	3		AD/DD/INT/FA/ID/ARCH	Design Elective	3	
ID 410	Profess. Practice & Ethics	3		HSS 4XX	Humanities & Social Science Seminar (GER)	3	
300+ level GER	Humanities & History (GER)	3		Elect	Free Elective	3	

The minimum credit requirement for graduation is the successful completion of 120 credits of prescribed courses within the curriculum and the maintenance of a minimum cumulative GPA of 2.0 AND a minimum GPA of 2.0 for all major-specific requirements. Students are also required to maintain an annual studio average of 2.0 (Fall and Spring studio in the same academic year) to advance in studio each successive year. The same annual studio average of 2.0 must also be achieved among both 4th year studios to complete the final studio sequence for graduation.

*Students who do NOT place into MATH 113 per the placement exam must take MATH 107 in the Fall semester, followed by MATH 113 and MATH 120 in the Spring term.

Course Pre-requisite Chart

The following chart includes a list of all required courses, pre-requisites (where applicable) and minimum passing grades for both pre-requisites and the course itself. The courses are listed alphabetically by course number. Where more than one course is listed under “Pre-requisites” all listed courses must be completed with the minimum passing grade (unless noted with “or” option).

Please refer to this chart when making scheduling and course withdrawal decisions, as **failure to complete a course pre-requisite or meet the minimum passing grade requirement will hinder your academic progress.**

MAJOR REQUIRED COURSES		Cr.	Pre-requisite(s)	Min. Pass Grade (Pre-requisite)	Min. Pass Grade (Course)
AD 111	Communication in Art/Design: Traditional	3	None	--	C
AD 112	Communication in Art/Design: Digital	3	None	--	D
AD 150	Color and Composition	3	None	--	D
AD 161	History of Art/Design I	3	None	--	D
AD 162	History of Art/Design II	3	AD161	D	C
AD 201	Human Factors/Ergonomics	3	None	--	D
AD 463	Collaborative Des. Studio	5	ID 364, PHYS 102	D, C	D
ID 203	Past, Present, & Future of Design	3	Sophomore standing	--	D
ID 216	Modeling and Prototyping	3	None	--	D
ID 217	Modeling & Manufacturing	3	ID 216	D	D
ID 263	Industrial Design Studio I	4	AD 111, AD 112	C, D	D
ID 264	Industrial Design Studio II	4	AD 150, ID 263	D	2.0 studio GPA btw ID263 & ID264
ID 310	Ethnographic & Market Research	3	Junior standing	--	D
ID 312	Mechanics and Electronics	3	ID 264	D	D
ID 340	Materials & Processes	3	ID 264	D	D
ID 341	Sustainable Materials & Processes	3	ID 340	D	D
ID 363**	Industrial Design Studio III	4	ID 216, ID 217, ID 264, all 1 st year course requirements**	D, D, 2.0 studio GPA btw ID263 & ID264	D
ID 364**	Industrial Design Studio IV	5	AD 201, ID 216, ID 363, all 1 st year course requirements**	D, D, D	2.0 studio GPA btw ID363 & ID364
ID 410	Professional Practice & Ethics	3	Senior standing	--	C
ID 464	Industrial Design Studio V	5	ID 364, PHYS 102	2.0 studio GPA btw ID363 & ID364, C	2.0 studio GPA btw AD463 & ID464
PE XXX	Phys Ed	1	None	--	S
Design Elec	AD/DD/INT/FA/ID/ARCH	3	(see NJIT catalog)	(varies by course)	C
Design Elec	AD/DD/INT/FA/ID/ARCH	3	(see NJIT catalog)	(varies by course)	C
Design Elec	AD/DD/INT/FA/ID/ARCH	3	(see NJIT catalog)	(varies by course)	D
Elect	Free Elective	3	(see NJIT catalog)	(varies by course)	D
**NOTE	ALL 1st Year AD and GER courses <u>must</u> be completed <u>PRIOR</u> to 3rd Year Studio advancement		**AD 111, AD 112, AD 150, AD 161, AD 162, CS 104, HUM 101, HUM 102, MATH 113, MATH 105 [or MATH 107 & MATH 120]		

*A list of approved GER courses can be found online at <http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-university-requirements/>. Please note: some GERs within the Industrial Design curriculum can only be fulfilled by a specifically defined course in that category.

GER COURSES*			Pre-requisite(s)	Min. Pass Grade (Pre-requisite)	Min. Pass Grade (Course)
CS 104	Computer Science	3	None	--	D
Frsh Sem	Freshman Seminar	0	None	--	S
HUM 101	English Writ, Spk, Think I	3	None	--	C
HUM 102	English Writ, Spk, Think II	3	HUM101	C	C
HSS 40X	Humanities Capstone	3	HUM101, HUM102, 200-lvl Hum/Hist GER, one 300-lvl Hum/Hist GER	C, C, C, D, and senior standing	D
ECON/MGMT /ENTR 200+ level GER	Social Science Literacy	3	(see NJIT catalog)	(varies by course)	D
MATH 113	Finite Math & Calculus	3	MATH 107 (if needed)	C	C
MATH 105*	Basic Concepts Statistics	1	None	--	D
*Students who place into MATH 107 must complete the following in lieu of MATH 105:					
MATH 107 -and- MATH 120	University Math B1 (Pre-calculus) -and- Basic Concepts in Statistics	3	None -and- None	--	C -- D
PHYS 102	General Physics	3	None	--	C
PHYS 102A	Physics Lab	1	None	--	D
STS 210	General Psychology	3	STS201, HUM102	C, C	D
Science GER	Scientific Literacy GER	3	(see NJIT catalog)	(varies by course)	D
300-lvl GER	Humanities & History GER	3	HUM102, 200-lvl Hum/Hist GER	C, C	D
300-lvl GER	Humanities & History GER	3	HUM102, 200-lvl Hum/Hist GER	C, C	D

Please note, only one (1) design elective may be an e-learning or hybrid course; all other design electives must be taken on campus.