

**DEGREE REQUIREMENTS FOR BACHELOR OF SCIENCE IN INDUSTRIAL DESIGN  
(136 credits)**

NAME: \_\_\_\_\_ ID#: \_\_\_\_\_ CUMULATIVE GPA: \_\_\_\_\_

YEAR 1- FALL ( 17 cr)      \_\_\_\_\_

YEAR 1- SPRING (18 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 115	Found. of Geometry (GUR)	3			MATH 113	Finite Math & Calc I (GUR)	3		
HUM 101	English Writ, Spk, Think I (GUR)	3			HUM 102	English Writ, Spk, Think II (GUR)	3		
MATH 120	Basic Con. Statistics (GUR)	1			STS 201 EPS 202 ECON 201	Social Science (GUR)	3		
PE XXX	Phys Ed (GUR)	1							
Frsh Sem	Freshman Seminar	0							

YEAR 2-FALL (17 cr)      \_\_\_\_\_

YEAR 2-SPRING (17 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		
HUM 211 HUM 212 HIST 213	Cultural History (GUR)*	3			STS 210/ 830:101	General Psychology or Principles of Psychology I (Rutgers) (GUR)*	3		
PHYS 102	General Physics (GUR)	3			Elect	BIO/CHEM/PHYS (GUR)	3		
PHYS 102A	Physics Lab (GUR)	1			PE XXX	Phys Ed (GUR)	1		

YEAR 3-FALL (16 cr)      \_\_\_\_\_

YEAR 3-SPRING (17 cr)      \_\_\_\_\_

COURSE			Sem.	Grade	COURSE			Sem.	Grade
ID 363	ID Studio III	4			ID 364	ID Studio IV	5		
ID 340	Materials & Processes	3			ID 341	Sustainable Mat & Proc.	3		
ID 310	Ethnog. & Mark. Rsrch	3			ID 301	ID Elective-Specialization	3		
MGMT 390	Principles of Business (GUR)	3			ID 312	Mechanics and Electronics	3		
Elect (300+ level)	LIT/HIST/PHIL/STS (GUR)	3			Elect (300+ level)	ENG/LIT/HIST/PHIL/STS/SS/ THR (GUR)	3		

YEAR 4-FALL (17 cr)      \_\_\_\_\_

YEAR 4-SPRING (17 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			AD/DD/INT/ FA/ID/ARCH	Design Elective	3		
Elect	Free Elective	3			HSS 4XX	Humanities Capstone (GUR)	3		
Elect	Free Elective	3			Elect	Free Elective	3		

The minimum credit requirement for graduation is the successful completion of 136 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 cumulative studio average of 2.0 to advance in studio each successive year and complete the final studio course sequence.

## 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 301	Industrial Design Specialization	3	ID 263	D	D
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 <sup>st</sup> 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 <sup>st</sup> 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
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
Elect	Free Elective	3	(see NJIT catalog)	(varies by course)	D
Elect	Free Elective	3	(see NJIT catalog)	(varies by course)	D
<b>**NOTE</b>	<b>ALL 1st Year AD and GUR courses must be completed PRIOR to 3rd Year Studio advancement</b>		<b>**AD 111, AD 112, AD 150, AD 161, AD 162, CS 104, HUM 101, HUM 102, [MATH 115 or 107], MATH 113, MATH 120, [Social Science GUR]</b>		
<b>GUR COURSES*</b>					
			Pre-requisite(s)	Min. Pass Grade ( Pre-requisite)	Min. Pass Grade (Course)
CS 104	Computer Science (GUR)	3	None	--	D
Frsh Sem	Freshman Seminar	0	None	--	S
HUM 101	English Writ, Spk, Think I (GUR)	3	None	--	C
HUM 102	English Writ, Spk, Think II (GUR)	3	HUM101	C	C
HUM 211 HUM 212 HIST 213	Cultural History (GUR)	3	HUM101, HUM102	C, C	C

HSS 40X	Humanities Capstone (GUR)	3	(HUM101, HUM102, Cultural History), two 300-lvl Hum. Elec	(C, C, C), D,D, and senior standing	D
MATH 115 -or- MATH 107	Foundations of Geometry (GUR) -or- University Math B1 (Pre-calculus)	3	None -or- None	--  --	C
MATH 113	Finite Math & Calculus	3	MATH 107 (if needed)	C	C
MATH 120	Basic Concepts Statistics (GUR)	1	None	--	D
MGMT 390	Principles of Business (GUR)	3	None	--	D
PE XXX	Phys Ed (GUR)	1	None	--	S
PE XXX	Phys Ed (GUR)	1	None	--	S
PHYS 102	General Physics (GUR)	3	None	--	C
PHYS 102A	Physics Lab (GUR)	1	None	--	D
STS 210	General Psychology	3	STS201, HUM102	C, C	D
Social Sci. Elec.	Social Science (GUR)	3	None	--	D
Sci. Elect	BIO/CHEM/PHYS (GUR)	3	None	--	D
300-lvl Hum. Elec.	ENG/LIT/HIST/PHIL/STS/ SS/ THR (GUR)	3	HUM102, Cultural History	C, C	D
300-lvl Hum. Elec.	Creative writing elective (GUR)	3	HUM102, Cultural History	C, C	D

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

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