CHE 423 CHE 435 CHE 494 IPRO	Process Control Process Design 1 IPRO Elective 2	3 3 3		SELECT SELECT EXAM	Technical Elective 2 Technical Elective 3 Fundamentals of Engineering (Passing is not required)	3	
CHE 435 CHE 494	Process Design 1	3		SELECT	Technical Elective 3		
CHE 435							
CHE 423				0-1-0-			
	Chemical Reaction Engineering	3		CHE 496	Process Design 2	:	
CHE 418	Chemical & Biological	2	10	CHE 406	Transport Phenomena	3	
	Total	16			Total	1	
				JELEUI			
CHE 351	Thermodynamics 1	3		CHE 451 SELECT	Thermodynamics 2 Technical Elective 1		
CHE 311	Foundations of Biological Science for Engineering	3		CHE 433	Theory	;	
CHE 302	Heat & Mass Transfer Operations	3		CHE 317	Chemical & Biological Engineering Laboratory 1	:	
ECE 218	Digital Systems	4	8	CHE 239	Mathematical and Computational Methods	;	
	All courses below	w this line	e are based on	completion at l	IIT		
	years 1 - 3 credit hours =	103			1004	1	
	Total	17			Total	1	
SELECT	Visual & Performing Arts (2 of 2)	2		SELECT	Thematic Core (3 of 3)	2	
SELECT	(online option) Christian Thought	4		SELECT	Thematic Core (2 of 3)	4	
IIT CHE 202	Material Energy Balance	3		ENGR 394	Engineering Ethics Capstone	2	
MATH 333 CHEM 371	Differential Equations Physical Chemistry I	4 4	6	CHEM 372 IIT CHE 301	Physical Chemistry II Fluid Mechanics		
	Total	18			Total	1	
SELECT	· · · ·	4		CORE 3xx	Core tag)		
LANG		4		SELECT		4	
	Old Testament Literature	4		BITH		2	
CHEM 341	Organic Chemistry I	4		CHEM 342	Organic Chemistry II	2	
PHYS 334	Computer Modeling of Physical	2	4	MATH 237	Calculus III	4	
	Total	17			Total	1	
CORE 101	First Year Seminar	4		COMM	Oral Communication (0-2)	2	
CHEM 231	General Chemistry I	4		ENGW	Writing (0-4)		
MATH 235	Calculus I	4	2	MATH 236	Calculus II	4	
Code	Name	Hrs.	Sem	Code	Name	Н	
	Engineering Major			Che	emical Engineering		
	PHYS 231 ENGR 101 CHEM 231 CORE 101 PHYS 334 CHEM 341 SELECT LANG SELECT MATH 333 CHEM 371 IIT CHE 202 SELECT SELECT SELECT SELECT CHE 302 CHE 302 CHE 311 CHE 351 IPRO	General Education Fall Semester Code Name MATH 235 Calculus I PHYS 231 Introductory Physics I ENGR 101 Introduction to Engineering CHEM 231 General Chemistry I CORE 101 First Year Seminar Tota/ PHYS 334 Computer Modeling of Physical Systems CHEM 341 Organic Chemistry I SELECT Old Testament Literature LANG Foreign Language SELECT Thematic Core (1 of 3) Tota/ MATH 333 Differential Equations CHEM 371 Physical Chemistry I IIT CHE 202 Material Energy Balance (online option) SELECT SELECT Christian Thought SELECT Select Visual & Performing Arts (2 of 2) Tota/ years 1 - 3 credit hours = All courses below CHE 302 Heat & Mass Transfer Operations CHE 302 Heat & Mass Transfer Operations CHE 351 CHE 351 Thermodynamics 1	General Education Fall Semester Code Name Hrs. MATH 235 Calculus I 4 4 PHYS 231 Introductory Physics I 4 4 ENGR 101 Introduction to Engineering 1 7 CHEM 231 General Chemistry I 4 4 CORE 101 First Year Seminar 4 CORE 101 First Year Seminar 4 PHYS 334 Computer Modeling of Physical Systems 2 CHEM 341 Organic Chemistry I 4 LANG Foreign Language 4 SELECT Thematic Core (1 of 3) 4 MATH 333 Differential Equations 4 CHE 311 Physical Chemistry I 4 MATH 333 Differential Equations 4 IIT CHE 202 Material Energy Balance (online option) 3 3 SELECT Christian Thought 4 4 SELECT Visual & Performing Arts (2 of 2) 2 2 Total 17 years 1 - 3 credit	General Education Fall Semester Code Name Hrs. Sem MATH 235 Calculus I 4 4 2 PHYS 231 Introductory Physics I 4 2 CMEM 101 Introduction to Engineering 1 4 CNE 101 First Year Seminar 4 2 CORE 101 First Year Seminar 4 4 CHEM 341 Organic Chemistry I 4 4 SELECT Old Testament Literature 4 4 MATH 333 Differential Equations 4 6 MATH 333 Differential Energy Balance 3 3 MATH 333 Differential Energy Balance 3 6 MATH 333 Differential Energy Balance 3 8 CHE 302 Heat & Mass Transfer Operations 3 6 CHE 302 <td>Engineering Major General Education Fall Semester Code Name Hrs. Sem Code MATH 235 Calculus I 4 4 PHYS 231 Introductory Physics I 4 2 MATH 236 PHYS 232 CHEM 231 General Chemistry I 4 2 MATH 236 PHYS 232 CHEM 231 General Chemistry I 4 COMM Computer Modeling of Physical Systems 2 4 MATH 237 CHEM 341 Organic Chemistry I 4 MATH 237 CHEM 341 Organic Chemistry I 4 MATH 237 CHEM 341 Organic Chemistry I 4 SELECT Old Testament Literature 4 MATH 237 CHEM 342 BITH SELECT SELECT Total 18 CORE 3xx Total 18 6 CHEM 372 IIT CHE 301 ENGR 394 SELECT SELECT Visual & Performing Arts (2 of 2) 2 IIT CHE 302 ENGR 394 SELECT SELECT SELECT Select 317 CHE 302 Heat & Mass Transfer Operations 3 CHE 317 CHE 317 CHE 317<td>Chemical Education Chemical Engineering Spring Semester Code Name MATH 235 Calculus I PHYS 231 Introductory Physics I Introductory Physics I Code Name Computer Modeling of Physical 2 Total 18 Computer Modeling of Physical 2 Colspan= Chemistry I <th cols<="" td=""></th></td></td>	Engineering Major General Education Fall Semester Code Name Hrs. Sem Code MATH 235 Calculus I 4 4 PHYS 231 Introductory Physics I 4 2 MATH 236 PHYS 232 CHEM 231 General Chemistry I 4 2 MATH 236 PHYS 232 CHEM 231 General Chemistry I 4 COMM Computer Modeling of Physical Systems 2 4 MATH 237 CHEM 341 Organic Chemistry I 4 MATH 237 CHEM 341 Organic Chemistry I 4 MATH 237 CHEM 341 Organic Chemistry I 4 SELECT Old Testament Literature 4 MATH 237 CHEM 342 BITH SELECT SELECT Total 18 CORE 3xx Total 18 6 CHEM 372 IIT CHE 301 ENGR 394 SELECT SELECT Visual & Performing Arts (2 of 2) 2 IIT CHE 302 ENGR 394 SELECT SELECT SELECT Select 317 CHE 302 Heat & Mass Transfer Operations 3 CHE 317 CHE 317 CHE 317 <td>Chemical Education Chemical Engineering Spring Semester Code Name MATH 235 Calculus I PHYS 231 Introductory Physics I Introductory Physics I Code Name Computer Modeling of Physical 2 Total 18 Computer Modeling of Physical 2 Colspan= Chemistry I <th cols<="" td=""></th></td>	Chemical Education Chemical Engineering Spring Semester Code Name MATH 235 Calculus I PHYS 231 Introductory Physics I Introductory Physics I Code Name Computer Modeling of Physical 2 Total 18 Computer Modeling of Physical 2 Colspan= Chemistry I <th cols<="" td=""></th>	

years 4 - 5 credit hours = 56 TOTAL credit hours = 159

last updated 8/21/2023

