PURDUE UNIVERSITY

Bachelor of Science in Chemical Engineering
College of Engineering

130 Credits for Graduation
Students must have a graduation index of a 2.0
Students must earn a "C" or better in CHE 20500
Students must earn a "C-" or better in CHE 21100, 30600, 32000, 34800, 37700, 37800
Students may take General Education Elective IV, V, and VI for a letter grade or pass/no pass option
3 credits of CHE 41100, 41200, 49800 or 49900 may be used to complete the Chemical Engineering Selective
3 credits of CHE 41100, 41200, 49800, or 49900 may be used to complete the Engineering or Technical Selective

Major Required Courses (41 credits)

- (0) CHE 20000 ChE Sophomore Seminar
- (4) CHE 20500 ChE Calculations
- (4) CHE 21100 Intro ChE Thermodynamics
- (0) CHE 30000 ChE Junior Seminar
- (3) CHE 30600 Design of Staged Separation Processes
- (3) CHE 32000 Statistical Modeling & Quality Enhancement
- (4) CHE 34800 Chemical Reaction Engineering
- (4) CHE 37700 Momentum Transfer
- (4) CHE 37800 Heat & Mass Transfer
- (1) CHE 40000 ChE Senior Seminar
- (3) CHE 42000 Process Safety Management
- (4) CHE 43500 ChE Laboratory
- (4) CHE 45000 Design & Analysis of Processing Systems
- (3) CHE 45600 Process Dynamics & Control

Other Departmental Courses (89 credits)

- (3) Biology Selective (select from list)
- (3) Chemical Engineering Selective (select from list)
- (4) CHM 11500 General Chemistry I *(satisfies Science Selective for core)*
- (4) CHM 11600 General Chemistry II *(satisfies FYE Science Selective)*
- (3) CHM 26100 Organic Chemistry I
- (1) CHM 26300 Organic Chemistry Laboratory I
- (3) CHM 26200 Organic Chemistry II
- (1) CHM 26400 Organic Chemistry Laboratory II
- (3) CHM 37000 Physical Chemistry
- (3) COM 11400 Fundamentals of Speech *(satisfies Oral Communication for core)*
- (4) ENGL 10600 English Composition *(satisfies Written Communication for core)*
- (2) ENGR 13100 Transforming Ideas to Innovation I *(satisfies Information Literacy for core)*
- (2) ENGR 13200 Transforming Ideas to Innovation II
- (3) Engineering Selective (select from list)
- (3) Engineering Selective (select from list)
- (4) MA 16500 Analytic Geometry and Calculus I *(satisfies Quantitative Reasoning for core)*
- (4) MA 16600 Analytic Geometry and Calculus II
- (4) MA 26100 Multivariate Calculus
- (4) Math Selective I (select from list)
- (3) Math Selective II (select from list)
- (4) PHYS 17200 Mechanics *(satisfies FYE Science Selective)*
- (3) PHYS 24100 Electricity & Optics
- (3) Technical Selective (select from list)
- (3) General Education Elective I (select from list) *(satisfies Human Cultures: Humanities for core)*
- (3) General Education Elective II (select from list) *(satisfies Human Cultures: Behavioral Social Science for core)*
- (3) General Education Elective III (select from list) *(satisfies Science, Technology & Society for core)*
- (3) General Education Elective IV (select from list)
- (3) General Education Elective V – Upper Level (select from list)
- (3) General Education Elective VI – Upper Level (select from list)

Free Electives (0-5 credits)

- (1) Free Elective *(for students who complete ENGL 10800)*
- (1) Free Elective *(for students who complete MA 26500 for Math Selective I)*
- (3) Free Elective *(for students who complete a course that fulfills both Science, Technology & Society and Technical Selective)*

University Core Requirements

Human Cultures: Humanities	General Education Elective I	*Science, Technology & Society*	General Education Elective III
Human Cultures: Behavioral/Social Science	General Education Elective II	*Written Communication*	ENGL 10600
Information Literacy	ENGR 13100	*Oral Communication*	COM 11400
Science Selective	CHM 11500	*Quantitative Reasoning*	MA 16500
Science Selective	PHYS 17200		

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The student is ultimately responsible for knowing and completing all degree requirements.
Degree Works is knowledge source for specific requirements and completion.

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PURDUE UNIVERSITY

Bachelor of Science in Chemical Engineering
College of Engineering

Effective Fall 2014

Suggested Arrangement of Courses (please see your academic advisor for other options creating your plan of study):

Credits	Fall 1st Year		Prerequisite
4	MA 16500		ALEKS score of 85 or SAT Math score of 650 or ACT Math score of 29
4	CHM 11500		*MA 16500*
4	ENGL 10600		
2	ENGR 13100		
14	**Total Credits**		

Credits	Spring 1st Year		Prerequisite
4	MA 16600		MA 16500
4	CHM 11600		CHM 11500
4	PHYS 17200		*MA 16500*
3	COM 11400		
2	ENGR 13200		ENGR 13100
17	**Total Credits**		

Credits	Fall 2nd Year		Prerequisite
0	CHE 20000	Fall Only	
4	CHE 20500 CC		ENGR 13100, PHYS 17200, MA 16500, *CHM 11600*
3	CHM 26100	Fall Only	CHM 11600
1	CHM 26300	Fall Only	*CHM 26100*
4	MA 26100		MA 16600
3	PHYS 241		PHYS 17200, *MA 16600*
3	General Education Elective I		
18	**Total Credits**		

Credits	Spring 2nd Year		Prerequisite
4	CHE 21100 CC		CHE 20500, MA 26100
3	CHE 32000 CC		CHE 20500, *Math Selective I*
3	CHM 26200	Spring Only	CHM 26100
1	CHM 26400	Spring Only	CHM 26300 *CHM 26200*
4	Math Selective I		MA 26100
3	General Education Elective II		
18	**Total Credits**		

Credits	Fall 3rd Year		Prerequisite
3	CHE 30600 CC		CHE 21100
4	CHE 37700 CC		CHE 21100, *Math Selective II*
3	CHM 37000		CHE 21100, CHM 11600, MA 26100, PHYS 24100
3	Math Selective II		Math Selective I
3	Biology Selective		
16	**Total Credits**		

Credits	Spring 3rd Year		Prerequisite
0	CHE 30000	Spring Only	
4	CHE 37800 CC		CHE 37700
4	CHE 34800 CC		Math Selective I, CHE 21100, *CHM 26100*
3	Technical Selective		
3	Engineering Selective		
3	General Education Elective III		
17	**Total Credits**		

Credits	Fall 4th Year		Prerequisite
1	CHE 40000	Fall Only	*CHE 45600*
3	CHE 45600	Fall Only	CHE 37700, *34800, 37800*
4	CHE 43500		CHE 30600, 32000, 34800, 37800
3	CHE 42000	Fall Only	*CHE 34800, 37800*
3	General Education Elective IV		
14	**Total Credits**		

Credits	Spring 4th Year		Prerequisite
4	CHE 45000	Spring Only	CHE 30600, 37800, *CHE 43500*
3	Chemical Engineering Selective		
3	Engineering Selective		
3	General Education Elective V – Upper Level		
3	General Education Elective VI – Upper Level		
16	**Total Credits**		

Concurrent prerequisites are listed in *italics*
CC Critical Course

2.0 Graduation GPA required for Bachelor of Science degree
Students must earn a "C" or better in CHE 20500 to enroll in any other CHE course
Students must earn a "C-" or better in CHE 21100, 30600, 32000, 34800, 37700, 37800 to enroll in upper level CHE courses
130 semester credits required for Bachelor of Science degree in Chemical Engineering
Students may take General Education Elective IV, V, and VI for a letter grade or pass/no pass option
3 credits of CHE 41100, 41200, 49800 or 49900 may be used to complete the Chemical Engineering Selective
3 credits of CHE 41100, 41200, 49800, or 49900 may be used to complete the Engineering or Technical Selective

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The student is ultimately responsible for knowing and completing all degree requirements.
Degree Works is knowledge source for specific requirements and completion.
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General Education Elective I - Human Cultures: Humanities (UCC approved list)	
AMST 20100	Intro to American Studies
ARAB 10100	Standard Arabic Level I
ARAB 10200	Standard Arabic Level II
ARAB 20100	Standard Arabic Level III
ARAB 20200	Standard Arabic Level IV
ARAB 28000	Arabic Culture
ARAB 30100	Standard Arabic Level V
ARAB 30200	Standard Arabic Level VI
ASL 10100	American Sign Language I
ASL 10200	American Sign Language II
ASL 20100	American Sign Language III
ASL 20200	American Sign Language IV
CHNS 10100	Chinese Level I
CHNS 10200	Chinese Level II
CHNS 20100	Chinese Level III
CHNS 20200	Chinese Level IV
CHNS 30100	Chinese Level V
CHNS 30200	Chinese Level VI
CHNS 40100	Chinese Level VII
CHNS 40200	Chinese Level VII
CLCS 23010	Survey of Greek Literature in Translation
CLCS 23100	Survey of Latin Literature
CLCS 23200	Classical Roots of English Words
CLCS 23300	Comparative Mythology
CLCS 23500	Classical Mythology
CLCS 23700	Gender & Sexuality in Greek & Roman Antiquity
CLCS 23800	The Tragic Vision
CLCS 23900	The Comic Vision
CLCS 33900	Literature and the Law
CLCS 38000	Alexander the Great & Hellenistic World
CMPL 26600	Intro to World Lit Beg - 1600
CMPL 26700	World Lit from 1700 to the present
DANC 25000	Dance Appreciation
EDST 20000	History & Philosophy of Education
ENGL 23000	Great Narrative Works
ENGL 23800	Intro to Fiction
ENGL 25000	Great American Books
ENGL 26700	World Lit from 1700 to the present
ENGL 27600	Shakespeare on Film
ENGL 28600	The Movies
FR 10100	French Level I
FR 10200	French Level II
FR 20100	French Level III
FR 20200	French Level IV
FR 30100	French Level V
FR 30200	French Level VI

FR 33000	French Cinema
FR 40100	French Level VII
FR 40200	French Level VIII
GER 10100	German Level I
GER 10200	German Level II
GER 20100	German Level III
GER 20200	German Level IV
GER 23000	German Literature in Translation
GER 30100	German Level V
GER 30200	German Level VI
GER 33000	German Cinema
GER 40100	German Level VII
GER 40200	German Level VIII
GREK 10100	Ancient Greek Level I
GREK 10200	Ancient Greek Level II
GREK 20100	Ancient Greek Level III
GREK 20200	Ancient Greek Level IV
GS 10000	American Language And Culture For International Students I
HEBR 10100	Modern Hebrew Level I
HEBR 10200	Modern Hebrew Level II
HEBR 12100	Biblical Hebrew Level I
HEBR 12200	Biblical Hebrew Level II
HEBR 20100	Modern Hebrew Level III
HEBR 20200	Modern Hebrew Level IV
HEBR 22100	Biblical Hebrew Level III
HEBR 22200	Biblical Hebrew Level IV
HEBR 28000	Modern Israel
HIST 10300	Intro to the Medieval World
HIST 10400	Intro to the Modern World
HIST 10500	Survey of Global World
HIST 15100	American History to 1877
HIST 15200	United States since 1877
HIST 21000	The Making of Modern Africa
HIST 21100	The Global Field: World Soccer and Global History
HIST 23800	History of Russia from Medieval times to 1861
HIST 24000	East Asia and Its Historic Tradition
HIST 24100	East Asia in the Modern World
HIST 24300	South Asian History and Civilizations
HIST 24500	Middle East History and Culture
HIST 24600	Modern Middle East and North Africa
HIST 25000	U. S. Relations with the Middle East & No. Africa
HIST 27100	Latin American History to 1824
HIST 27200	Latin American History from 1824
HIST 30400	America in the 1960s
HIST 30505	The U. S. in the World 1898-present
HIST 31005	The Civil War and Reconstruction, 1850-1877
HIST 31505	American Beauty

HIST 32300	German History
HIST 32400	Modern France
HIST 32900	History of Women in Modern Europe
HIST 34000	Modern China
HIST 34100	History Of Africa South Of The Sahara
HIST 34300	Traditional Japan
HIST 34400	History of Modern Japan
HIST 35100	The Second World War
HIST 35400	Women in America to 1870
HIST 35900	Gender in East Asian History
HIST 37100	Society, Culture, and Rock and Roll
HIST 37500	Women in America since 1870
HIST 37700	History and Culture of Native America
HIST 38001	History of U. S. Agriculture
HIST 38200	American Constitutional History
HIST 38300	Recent American Constitutional History
HIST 39400	Environmental History of the United States
HIST 39600	The Afro-American to 1865
HIST 39800	The Afro-American since 1865
ITAL 10100	Italian Level I
ITAL 10200	Italian Level II
ITAL 10500	Accelerated Basic Italian
ITAL 20100	Italian Level III
ITAL 20200	Italian Level IV
ITAL 20500	Accelerated Intermediate Italian
ITAL 28000	Italian Culture & Civilization
ITAL 28100	The Italian Renaissance
ITAL 30100	Italian Level V
ITAL 30200	Italian Level VI
ITAL 33000	Italian Cinema
ITAL 33300	The Spirit of Italian Comedy
ITAL 38000	Italian Culture & Civilization
JPNS 10100	Japanese Level I
JPNS 10200	Japanese Level II
JPNS 20100	Japanese Level III
JPNS 20200	Japanese Level IV
JPNS 30100	Japanese Level V
JPNS 30200	Japanese Level VI
JPNS 40100	Japanese Level VII
JPNS 40200	Japanese Level VIII
JWST 33000	Introduction to Jewish Studies
LATN 10100	Latin Level I
LATN 10200	Latin Level II
LATN 20100	Latin Level III
LATN 20200	Latin Level IV
LATN 34300	Roman Oratory
LATN 34400	Roman Epic

LATN 34500	Roman Elegy
LATN 34600	Roman Rhetoric
LATN 34700	Roman Comedy
LATN 44200	Roman Lyric Poetry
LATN 44300	Roman Satire
LATN 44400	Roman Philosophers
LATN 44500	Roman Encyclopedists
LATN 44600	Roman Historians
LC 23900	Contemp. Foreign Women Writers in Translation
LC 33300	The Middle Ages on Film
MUS 25000	Music Appreciation
MUS 26100	Fundamentals of Music
MUS 36100	Music Theory I
MUS 37800	Jazz History
PHIL 11000	Introduction to Philosophy
PHIL 11100	Ethics
PHIL 11400	Global Moral Issues
PHIL 23000	Religions of the East
PHIL 23100	Religions of the West
PHIL 28000	Ethics and Animals
PHIL 29000	Environmental Ethics
PHIL 33000	Religions of the East
PTGS 10100	Portuguese Level I
PTGS 10200	Portuguese Level II
PTGS 10500	Accelerated Portuguese
PTGS 20100	Portuguese Level III
PTGS 20200	Portuguese Level IV
PTGS 30100	Portuguese Level V
PTGS 30200	Portuguese Level VI
REL 20000	Intro to study of religion
REL 23000	Religions of the East
REL 23100	Religions of the West
RUSS 10100	Russian Level I
RUSS 10200	Russian Level II
RUSS 20100	Russian Level III
RUSS 20200	Russian Level IV
RUSS 28100	Post Soviet Experience
RUSS 30100	Russian Level V
RUSS 30200	Russian Level VI
RUSS 33000	Russian and East European Cinema
RUSS 40100	Russian Level VII
RUSS 40200	Russian Level VIII
SPAN 10100	Spanish Level I
SPAN 10200	Spanish Level II
SPAN 20100	Spanish Level III
SPAN 20200	Spanish Level IV
SPAN 23500	Spanish American Literature in Translation

SPAN 30100	Spanish Level V
SPAN 30200	Spanish Level VI
SPAN 30500	Spanish For Heritage Speakers
SPAN 30801	Advanced Spanish For Heritage Speakers
SPAN 33000	Spanish And Latin American Cinema
SPAN 40100	Spanish Level VII
SPAN 40200	Spanish Level VIII
THTR 20100	Theater Appreciation
WGSS 28000	Intro to Women's Studies

General Education Elective II - Human Cultures: Behavioral Social Science (UCC approved list)	
AGEC 20300	Intro to Microeconomics for Food and Agribusiness
AGEC 20400	Intro to Resource Economics and Environmental Policy
AGEC 21700	Economics
AGEC 25000	The Economic Geography of World Food and Resources
ANTH 10000	Intro to Anthropology
ANTH 20100	Intro to Archaeological and World Prehistory
ANTH 20300	Biological Basis of Human Social Behavior
ANTH 20500	Human Cultural Diversity
ANTH 23000	Gender Across Cultures
ANTH 37900	Native American Culture
CLCS 18100	Classical World Civilizations
COM 21200	Approaches to the study of interpersonal communication
COM 22400	Communicating in the Global Workplace
ECON 21000	Principles of Economics
ECON 25100	Microeconomics
ECON 25200	Macroeconomics
EDCI 28500	Multiculturalism in Education
EDPS 23500	Learning and Motivation
EDPS 26500	The Inclusive Classroom
EDPS 31600	Collaborative Leadership: Cross-Cultural Settings
EDST 24800	Contemporary Issues in American Schools
ENGL 22700	Intro to Linguistics
HDFS 20100	Introduction to Family Processes
HDFS 21000	Intro to Human Development
HDFS 28000	Diversity in Individual and Family Life
HTM 37200	Global Tourism Geography
LC 26100	Introduction to the Linguistic Study of Foreign Languages
LING 20100	Intro to Linguistics
POL 10100	American Government and Politics
POL 12000	Introduction to Public Policy
POL 13000	Introduction to International Relations
POL 22200	Women, Politics, and Policy
POL 22300	Introduction to Environmental Policy
POL 23000	Introduction to the Study of Peace
POL 23100	Introduction to U. S. Foreign Policy
POL 23500	International Relations Among Rich and Poor Nations
PSY 12000	Elementary Psychology
SLHS 22700	Intro to Linguistics
SOC 10000	Intro to Sociology
SOC 22000	Social Problems
WGSS 28200	Introduction to LGBT Studies
WGSS 38000	Gender and Multiculturalism

General Education Elective I - Science, Technology and Society (UCC approved list)	
ABE 29000	Sophomore Seminar
AGRY 28500	World Crop Adaptation and Distribution
AGRY 29000	Introduction to Environmental Science
ANSC 10200	Intro to Animal Agriculture
ANTH 21000	Technology and Culture
BCHM 10000	Intro to Biochemistry
BCM 10001	Introduction to Construction Management
BIOL 12100	Biology I: Ecology, Diversity, & Behavior
BTNY 20100	Plants and Civilization
BTNY 21100	Plants and the Environment
COM 25100	Communication, Information and Society
EAPS 10000	Planet Earth
EAPS 10400	Oceanography
EAPS 10600	Geosciences in the Cinema
EAPS 11300	Introduction to Environmental Science
EAPS 12000	Introduction to Geography
ENGR 20100	Engineering in Global Context
ENTM 10500	Insects: Friend and Foe
ENTM 12800	Investigating Forensic Science
ENTM 21800	Intro to Forensic Science
EPCS 10100	Engineering Projects in Community Service
EPCS 10200	Engineering Projects in Community Service
EPCS 20100	Engineering Projects in Community Service
EPCS 20200	Engineering Projects in Community Service
EPCS 30100	Engineering Projects in Community Service
EPCS 30200	Engineering Projects in Community Service
EPCS 40100	Engineering Projects in Community Service
EPCS 40200	Engineering Projects in Community Service
FNR 10300	Intro to Environmental Conservation
FNR 22310	Introduction to Environmental Policy
FNR 23000	World Forests and Society
FNR 24000	Wildlife in America
FS 16100	Science of Food
HONR 19901	First Year Honors in Science, Technology, and Society
HORT 30600	History of Horticulture
HSCI 20100	Principles of Public Health Science
HSCI 20200	Essentials of Environmental, Occupational, & Radiological Health Sciences
IT 22600	Biotechnical Lab I
ME 29000	Global Engineering Professional Seminar
NRES 29000	Introduction to Environmental Science
PHIL 27000	Biomedical Ethics
POL 22300	Introduction to Environmental Policy
POL 23700	Modern Weapons and International Relations
SLHS 11500	Introduction to Communicative Disorders
SLHS 21500	Exploring Audiology & Hearing Science
SLHS 30900	Language Development

General Education Elective VI - Upper Level	
AD	10600
AD	20000
AD	20500
AD	20600
AD	21300
AD	21400
AD	22100
AD	23000
AD	23500
AD	24500
AD	24600
AD	25000
AD	25900
AD	26200
AD	27500
AD	27600
AD	30700
AD	31100
AD	31200
AD	31400
AD	31600
AD	32700
AD	33000
AD	33200
AD	33300
AD	34100
AD	34200
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AD	35100
AD	35300
AD	35700
AD	35800
AD	35900
AD	36200
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AD	37000
AD	37100
AD	37600
AD	38000
AD	38100
AD	38200
AD	38300

AD	38400
AD	38500
AD	39000
AD	39100
AD	39500
AD	39800
AD	40000
AD	42100
AD	44200
AD	45000
AD	45100
AD	45200
AD	45400
AD	45500
AD	45800
AD	46200
AD	46800
AD	47000
AD	47500
AD	47600
AD	48500
AD	49000
AD	49200
AGEC	29600
AGEC	34000
AGEC	40600
AGEC	41000
AGEC	41500
AGEC	42300
AGEC	45000
ANTH	30300
ANTH	32000
ANTH	33500
ANTH	33600
ANTH	34100
ANTH	35000
ANTH	36800
ANTH	37900
ANTH	39000
ANTH	39200
ANTH	40400
ANTH	41400
ANTH	41500
ANTH	42000
ANTH	42500
ANTH	43500
ANTH	43600

ANTH	46000
ANTH	47300
ANTH	47800
ANTH	47900
ARAB	10200
ARAB	20100
ARAB	20200
ARAB	30100
ARAB	30200
ASL	10200
ASL	20100
ASL	20200
AUS	30900
AUS	40100
AUS	41900
CHNS	10200
CHNS	20100
CHNS	20200
CHNS	22000
CHNS	30100
CHNS	30200
CHNS	30500
CHNS	31300
CHNS	34100
CHNS	34200
CHNS	49000
CHNS	49300
CLCS	33000
CLCS	33100
CLCS	33500
CLCS	33600
CLCS	33700
CLCS	38500
COM	21000
COM	24000
COM	25300
COM	30300
COM	31200
COM	31400
COM	31600
COM	31800
COM	32000
COM	32400
COM	32500
COM	32900
COM	33000
COM	35100

COM	35200
COM	36800
COM	37200
COM	37400
COM	37600
COM	38100
COM	41200
COM	41400
COM	41600
COM	42400
COM	43500
COM	49100
DANC	14000
DANC	20100
DANC	20200
DANC	20300
DANC	24000
DANC	24100
DANC	30100
DANC	30200
ECON	34000
ECON	35200
ECON	35500
ECON	36100
ECON	36500
ECON	36800
ECON	37000
ECON	37500
ECON	38000
ECON	38500
ECON	42200
ECON	45600
ECON	46100
ECON	46600
ECON	47000
ECON	47100
ENGL	30400
ENGL	30500
ENGL	32700
ENGL	33100
ENGL	33300
ENGL	33500
ENGL	33700
ENGL	35000
ENGL	35100
ENGL	35200
ENGL	35600

ENGL	35800
ENGL	36000
ENGL	36100
ENGL	36200
ENGL	36400
ENGL	36500
ENGL	36600
ENGL	36800
ENGL	37200
ENGL	37300
ENGL	37400
ENGL	37500
ENGL	37600
ENGL	37700
ENGL	37900
ENGL	38100
ENGL	38200
ENGL	38300
ENGL	38600
ENGL	38700
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ENGL	40700
ENGL	40900
ENGL	41100
ENGL	41200
ENGL	41300
ENGL	41400
ENGL	42000
ENGL	42100
ENGL	44100
ENGL	44200
ENGL	44400
ENGL	45500
ENGL	46000
ENGL	46200
ENGL	46300
ENGL	46600
ENGL	46800
ENGL	46900
ENGL	47000
FLL	10200
FLL	20100
FLL	20200
FLL	33100
FLL	36100
FLL	36100

FLL	36800
FLL	37100
FLL	49000
FR	10200
FR	10300
FR	11200
FR	20100
FR	20200
FR	21100
FR	21200
FR	24100
FR	26000
FR	28000
FR	30100
FR	30200
FR	33000
FR	34100
FR	34200
FR	36100
FR	36200
FR	38000
FR	39400
FR	39600
FR	40100
FR	40200
FR	44300
FR	48000
FS	47000
GER	10200
GER	10300
GER	11200
GER	20100
GER	20200
GER	21100
GER	21200
GER	24100
GER	26000
GER	28000
GER	30100
GER	30200
GER	32300
GER	33000
GER	34100
GER	34200
GER	36000
GER	38500
GER	40100

GER	40200
GER	44100
GER	44200
GER	44600
GER	48000
GER	48300
GREK	10200
GREK	20100
GREK	20200
GREK	34400
GREK	44600
GREK	49000
HDFS	20100
HDFS	21000
HDFS	21100
HDFS	30100
HDFS	31100
HDFS	31200
HDFS	31500
HDFS	32500
HDFS	41100
HDFS	42400
HDFS	43000
HDFS	43200
HDFS	43400
HEBR	10200
HEBR	20100
HEBR	20200
HIST	30200
HIST	30300
HIST	30700
HIST	31200
HIST	31700
HIST	31800
HIST	32000
HIST	32200
HIST	32300
HIST	32400
HIST	32600
HIST	32700
HIST	32800
HIST	32900
HIST	33000
HIST	33100
HIST	33200
HIST	33300
HIST	33400

HIST	33500
HIST	33700
HIST	33900
HIST	34000
HIST	34100
HIST	34200
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HIST	40400
HIST	40500
HIST	40600
HIST	40700
HIST	40800
HIST	40900
HIST	41200

HIST	41400
HIST	41500
HIST	41600
HIST	41700
HIST	41900
HIST	42000
HIST	42700
HIST	43800
HIST	43900
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