

1 **Queensborough Community College**

2 The City University of New York

3
4 **MINUTES**
5 **of the March 12, 2013**

6 **Academic Senate**

7
8 President Diane Call called the sixth regularly scheduled meeting of the Academic Senate to
9 order at 3:20 p.m.

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11 **I. Attendance:**

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13 The complete Senate roster is available at
14 <http://www.qcc.cuny.edu/governance/academicSenate/roster.html>

15
16 As determined from the attendance taken by the i-clickers at the meeting, there were twenty
17 absentees.

18
19 Harris, Eugene Visoni, Gilmar Reilly, Margaret
20 Fabricant, Mona Humphries, David
21 Urciuoli, Jannette Bales, Peter Maloy, Jennifer
22 Osorio, Jose Kolios, Anthony Clingan, Edmund
23 Carey, Diane SG, President Pro Tempore SG, VP PT Student
24 SG, President SG, VP Evening Students SG, Treasurer
25 SG, Executive VP SG, Administrative VP SG, Programming VP

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27 **II. Consideration of minutes of the February 19, 2013:**

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29 • A **motion** was **made, seconded**, and unanimously **approved** to approve the February 19,
30 2013 minutes (*Attachment A of the March 12, 2013 Agenda*).

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III. Communications from:

President Call: President Call referred to her written report (*Attachment B of the March 12, 2013 Agenda*)

- President Call stated that currently registered students who plan to register for summer 13 or fall 13 using NYS or Federal financial aid, must re-apply for financial aid by April 17, 2013. The 2013-14 Federal Application for Federal Student Aid (FAFSA) is currently available on-line for students and families to begin the application process now.
- President Call reported that registration for Summer Session (for continuing and visiting students) will begin within the next couple of weeks. Summer Session is the ideal time for students to keep themselves on track towards a timely graduation. A multi-media advertising campaign is underway to encourage QCC students as well as students home for the summer from private and SUNY colleges to register for our summer classes.
- President Call reminded us that the Fall 2013 academic advisement cycle has begun. Faculty and staff are asked to encourage students to schedule an appointment with an advisor as soon as possible. It is the Office of Academic Advisement’s goal to advise all continuing students by May 31, 2013.

New staff introduced:

- President Call thanked Dr. Brian A. Kerr for his service and impressive leadership in the Advisement and Admissions offices and Dr. Kerr is now the Director of Articulation, Transfer and Educational Partnerships.
- Ms. Laura Bruno who has been appointed the college’s Director of Enrollment Management/Office of Admissions & Recruitment. Prior to joining QCC, Ms. Bruno served as Associate Director of Admissions at CUNY York College where she was responsible for designing and implementing the overall strategic enrollment plan, and served as the Admission functional and training lead for CUNYfirst.
- Robert I. Park has been named QCC’s Director of Academic Advisement. With more than 25 years of experience in Higher Education, Mr. Park served most recently as the Director of Student & Academic Services at CUNY Hunter College’s School of Public Health.
- David Wasserman was introduced as the new Director in Business and Finance.

- 71 • President Call reminded us that the 2013-14 Student Government Elections will be
72 conducted Friday, March 15th through Thursday, March 21st.
73
- 74 • President Call congratulated Marjorie Morales and Daniel Novoa who have been accepted
75 into the Exceptional Research Opportunities Program (EXROP) of the Howard Hughes
76 Medical Institute. This highly selective program provides bright, motivated undergraduate
77 students with outstanding summer research experiences that encourage them to pursue
78 careers in academic science. President Call thanked their mentor, Dr. Patricia Schneider
79 (Biological Sciences and Geology), noting that this is the first time community college
80 students have been selected.
81
- 82 • President Call congratulated Marisa Berman, Assistant Director of the Kupferberg Holocaust
83 Resource Center and Archives whose proposal for the “Teaching Social Activism” will be
84 presented at the conference of the Museum of the City of New York. At KHRCA social
85 activism is taught through the exploration of hate crimes and other examples of human
86 injustice, past and present. Holocaust and Asian survivors of World War II share their
87 experiences directly with students.
88
- 89 • **President Call ended her report by inviting everyone to attend these upcoming events:**
- 90 ○ **The Fall 2012 Dean’s List Ceremony and Celebration of milestone students**
91 (those completing 30 credits within their first year) will be held on Tuesday March
92 12, at 7:00 p.m. in the Theatre.
- 93 ○ The **Spring 2013 Faculty Meeting** will be held on Wednesday, March 13 from 1:10
94 to 3:10 p.m. in M 136. Sponsored by the Faculty Executive Committee, the program
95 will include a panel discussion by several academic department chairpersons on
96 *Tenure and Promotion*. All faculty are encouraged to attend.
- 97 ○ The annual **Walk to Aspire** will take place on our athletic track Wednesday, March
98 20th at 1:00 pm. Eighteen teams, representing almost 200 students, faculty and
99 staff will participate in this opportunity to raise funds for QCC student scholarships
100 for new and continuing students. All students, faculty and staff are invited to cheer
101 on the teams—and we offer a special “thank you” to sponsors, and to the many
102 efforts of the teams to raise funds through bake sales and contests.
103
- 104 ○ The **QCC Job Fair** is scheduled to take place on March 20, 2013. Over 50 employers
105 are scheduled to attend the event and speak with our students. Please encourage

106 students to take advantage of this valuable opportunity to meet face-to-face with
107 prospective employers.

108

109 ○ The **Newly Tenured Faculty Reception** will take place on March 21 at 4:00 in the
110 Oakland Dining Room. This year's reception will celebrate Carolyn King
111 (Mathematics and Computer Sciences), Andrew Russell (Mathematics and Computer
112 Sciences), John Buoncora (Engineering Technology) and Aaron Deetz (Art and
113 Design)

114

115 ○ Also on March 21, at 5:00 p.m. faculty and staff are invited to a reception to
116 celebrate the opening of the annual **Student Exhibit**. This juried showcase of QCC
117 student work art work will be exhibited the Oakland Loggia through May.

118

119 ○ The 2013 Salzburg participants and two faculty Advisors, Dr. Federica Goldoni and
120 Dr. Barbara Blake-Campbell, are scheduled to leave on March 23, 2013 returning on
121 March 31, 2013. We wish them a most successful trip. They have already
122 completed their first pre-departure orientation meeting (February 8th) and had
123 their briefing on March 1, 2013.

124

125 ○ Faculty, students, staff and the community are invited to the **Spring 2013**
126 **Presidential Lecture** on Tuesday, April 16th at 4:30 p.m. in M136. This annual event
127 presents outstanding QCC faculty members. This year, Professor Jules Allen,
128 Department of Art and Design, nationally recognized photographer, and 2012
129 Faculty Excellence award recipient, will speak on "*Conjure, Light, Forward*
130 *Momentum - A Depth of Feeling.*"

131

132 ○ All faculty and staff are invited to QCC's annual fundraising gala "**Partners for**
133 **Progress**" on Thursday, April 25 at Terrace on the Park. The Honorees at this year's
134 Partners Gala include Joseph R. Ficalora, Class of 1967, President and Chief
135 Executive Officer and a director of New York Community Bancorp, Inc., one of the
136 nation's largest thrift depositories, as our Alumni Partner of the Year; the Korean-
137 American Civic Empowerment (KACE) as our Community Partner of the Year, with

138 whom the KHRCA has partnered the Korean Comfort Women exhibit to create
139 public awareness of this WWII atrocity; and John Kuitwaard, President,
140 Metropolitan Food Service Inc. as our Campus Partner of the Year.

141 ○ Queensborough's **52nd Commencement Exercises** will be held the morning of
142 Friday, May 31, 2013. Faculty members and HEOs are encouraged to participate in
143 this event, which is so very meaningful to our graduates and their families. Faculty
144 and HEOs participating in the academic procession may order their academic attire
145 through the QCC Commencement Webpage at www.qcc.cuny.edu/commencement,
146 until May 4th.

147

148 **Senate Steering Committee:** Chair Tai referred to her written report:

149 *(Attachment C of the March 12, 2013 Agenda)*

- 150 • Chair Tai reported that the Academic Senate bylaws will have to be revised.
151
152 • Chair Tai and the members of the Steering Committee have noted with gratitude and pride that
153 thirty members of our faculty—the largest number that any of us can recall over the past
154 decade—have taken the time and trouble to stand for the 2013-2014 slate of the Academic
155 Senate of Queensborough Community College. We feel honored to work with colleagues who
156 are willing to dedicate their energies to the shared governance process at Queensborough.
- 157 • Chair Tai called for a formal vote for Academic Senate Interim Replacement--**ELECTION**
158
- 159 • **A motion was made, seconded, and approved with one abstention** from Julian
160 Stark to accept Jeffrey L. Schwartz as Academic Senate Interim Replacement.

161

162 Monthly Reports of Standing Committees of the Academic Senate

- 163 • March 2013 Report of the Committee on Curriculum (*Attachment F of the March 12,*
164 *2013 agenda*)
- 165 • Philip A. Pecorino, Chairperson, Committee on Curriculum reported the
166 following recommendation to the Academic Senate.

167 The Committee on Curriculum has acted to send the following recommendation to the Academic Senate.

- 168 1. New Courses
169 2. Changes in Courses
170 3. Changes in Programs
171 4. Addenda to CUNY Chancellor's Report from QCC

172 5. QCC COMMON CORE: ALL COURSES ARE APPROVED BY SENATE AND REVIEW COMMITTEES UNLESS
173 OTHERWISE NOTED (as of 2/23/13)

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179 **1. NEW COURSES**

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181 **DEPARTMENT OF ACADEMIC LITERACY**

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183 **CN-73**-from Experimental to Regular Offering

184 **CN073 Reading and Writing Community Stories** 4 class hours, 0 credit

185 Pre-requisites: None

186

187 **Rationale:** This is a second semester in a developmental sequence of courses offered to students in the
188 College Now program. Students with whom the course has been piloted have responded enthusiastically to
189 the course content and generally performed well on the CUNY placement exam upon completion of the
190 course. The College Now program believes that this course is needed for students to take after CN072 in order
191 to be prepared to do college level work when they come to college. The demand for this course in high
192 schools partnering with QCC College Now is very high. Projected enrollment is 200 students per semester and
193 possibly more.

194

195 NOTE: CN073 Reading and Writing Community Stories was accepted as “experimental” at the December 11,
196 2011 meeting of the Academic Senate. The intent of this submission is to move this course from experimental
197 to an official offering by the Basic Skills Department on behalf of College Now.

198

199 NOTE: CN073 Reading and Writing Community Stories was piloted through At Home in College (AHC) during
200 the 2011-2012 academic year. AHC’s initial data shows that 760 AHC students began their senior year on-
201 track to graduate and sat for the CUNY Assessment Tests as part of At Home in College. Of these students, 426
202 (56%) gained proficiency in Reading and 365 (48%) gained proficiency in Writing by the end of their senior
203 year.

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- A **motion was made, seconded, and unanimously approved** to approve the new courses in the Department of Academic Literacy (*Attachment F of the March 12, 2013 Agenda*).

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208 **CHANGES IN COURSES**

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210 **DEPARTMENT of SOCIAL SCIENCES**

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212 From: SS320 Urban Sociology

213 To: SOCY220 Urban Sociology

214

215 From: SS540 Social Psychology

216 To: PSYC240 Social Psychology

217

218 **Rationale:** These were mothballed courses which the Department wishes to offer Fall 2013. They were not
219 included in the listing of courses for which the Academic Senate has already changed the prefixes last Fall.

220 This is needed to make them consistent with the prefixes of other active classes.

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- A **motion was made, seconded, and approved with one abstention from Edward Volchok** to approve the changes in courses in the Department of Social Sciences (*Attachment F of the March 12, 2013 Agenda*).

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230 **DEPARTMENTS of SCIENCES and ENGINEERING TECHNOLOGY**

231

232 AS Degree Program in Engineering

233 AS Degree program in Science

234 AS Health Sciences

235 • Senator Pecorino, chairperson of the Committee on Curriculum, said that the Academic
236 Senate approved of changes in a new AA degree program and 12 concentrations and in
237 3 AS degree programs and that the changes now being forwarded are not changes in
238 substance but in form only due to the requirements of CUNY OAA. They are being
239 revised by the academic departments and QCC Office of Academic Affairs and the final
240 form in which they are sent forward to the CUNY will be reported to the Academic
241 Senate by QCC OAA for information purposes.

242 • Senator McGill asked for clarity as to whether or not all AS programs could require
243 specific courses within the Pathways Common Core.

244 • VP Steele indicated that the only subjects that can be required are math and sciences
245 in STEM programs.

246 • Senator Pecorino also stated that, as the University has now agreed to allow A.S.
247 programs to specify STEM variants as needed, once the format adjustments have
248 been made and our program revisions are officially approved, we will be able to
249 move ahead to the crucial job of advising students for the Fall 2013 term. He
250 discussed the importance of making sure that each department is doing their own
251 advising and prepare web pages with how they would advise all 60 credits in their
252 programs be fulfilled by students and create different pages for different paths to
253 different transfer institutions because the faculty in the academic departments are
254 those who know their courses and concentrations the best.

255 • Senator Pecorino stated that with proper advisement in an effective manner
256 particularly concerning the Common Core course selections by students, the College
257 would be able to preserve most of the academic structure and content for most of
258 the degree programs. Without proper advisement students might make selections of
259 courses in the Common Core that will not serve them well in their transfer and
260 degree completion effort.

261 • VP Steele said that the Pathways Implementation Team will be working with the
 262 departments on those academic advisement documents and procedures; some
 263 procedures will be mandated by CUNY policies being set as the Common Core
 264 courses and the program revisions are being scribed into DegreeWorks. VP Steele
 265 warned against making our own advisement forms as templates will be provided by
 266 the QCC OAA.

267 • President Call thanked the faculty in all the Departments, who worked diligently
 268 on the changes to send to CUNY Chancellor’s Report from QCC.
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270

271 **QCC ADDENDA to CUNY CHANCELLOR’S REPORT**

272 **Pathways Common Core Framework**

273

274 The table below includes additional courses approved for the Pathways common core since the
 275 previous chancellor’s report addendum.

276

Course No.	Course Title	Category
CH 103	Chemistry and the Arts	II.E
CRIM 101*	Introduction to the American Criminal Justice System	II.D
CRIM 102	Criminology	II.D
CS 100	Introduction to Computers and Programming	II.E
ECON 101	Introduction to Macroeconomics	II.D
ECON 102	Introduction to Microeconomics	II.D
ECON 150	Labor and Management	II.D
ECON 160	Contemporary Economic Issues	II.D
EN 101	English Composition I	I.A
EN 102	English Composition II: Introduction to Literature	I.A
ET 570	Creating Smartphone Apps	II.E
ET 575	Introduction to C++ Programming Design and Implementation	II.E
ET 841	The Science of Energy and Power in the Modern World	I.C
ET 880	Science and Technology in Modern Life	II.E

Course No.	Course Title	Category
HI 185	The Holocaust	II.D
HI 191	History of Genocide in the Twentieth Century	II.A
LF 401	French and Francophone Culture	II.D
LG 401	The Culture of German-speaking Countries Today	II.D
LS 402	Latin American and Caribbean Cultures	II.D
MA 321	Mathematics in Contemporary Society	I.B
PH 123	Natural Hazards	II.E
PH 124	Global Warming	II.E
PH 129	How Things Work	II.E
PH 202	General Physics (STEM)	I.C, IIE
PH 240	Computerized Physical Measurement Using Graphical Programming (STEM)	II.E
PH 302	College Physics II (STEM)	I.C, II.E
PH 413	Calculus Physics III (STEM)	II.E
PH 416	Thermodynamics (STEM)	II.E
PH 440	Modern Physics (STEM)	II.E
PHIL 101	Introduction to Philosophy	II.D
PHIL 130	Ethics: Theories of the Good Life	II.D
PHIL 165	American Philosophy	II.D
SOCY 185	Introduction to Social Work	II.D
SP 211	Speech Communication	II.B

277

278 **Included in previous chancellor's report addendum but with incorrect title.*

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280

STEM Variants

281

282 The table below includes additions STEM variants approved since the previous chancellor's report
283 addendum.

284

285 **I.C - LIFE AND PHYSICAL SCIENCES**

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<u>CUNY Common Prefix</u>	<u>QCC Course</u>	<u>Course Title</u>	<u>Credits</u>	<u>Hours</u>	<u>Curricula in which course is required</u>
PHYS	PH 202	General Physics II	4	3 class hours, 2 laboratory hours	<ul style="list-style-type: none"> • A.A.S., Computer Engineering Technology • A.A.S., Electronic Engineering Technology • A.A.S., Mechanical Engineering Technology • A.A.S., Telecommunications Technology
PHYS	PH 302	College Physics II	4	3 class hours, 1 recitation hour, 2 laboratory hours	<ul style="list-style-type: none"> • A.S., Health Sciences • A.S., Liberal Arts & Sciences (Mathematics & Science)

287

288 **II.E - SCIENTIFIC WORLD**

289

<u>CUNY Common Prefix</u>	<u>QCC Course</u>	<u>Course Title</u>	<u>Credits</u>	<u>Hours</u>	<u>Curricula in which course is required</u>
PHYS	PH 202	General Physics II	4	3 class hours, 2 laboratory hours	<ul style="list-style-type: none"> • A.A.S., Computer Engineering Technology • A.A.S., Electronic Engineering Technology • A.A.S., Mechanical Engineering Technology • A.A.S., Telecommunications Technology
PHYS	PH 302	College Physics II	4	3 class hours, 1 recitation hour, 2	<ul style="list-style-type: none"> • A.S., Health Sciences • A.S., Liberal Arts & Sciences (Mathematics & Science)

<u>CUNY Common Prefix</u>	<u>QCC Course</u>	<u>Course Title</u>	<u>Credits</u>	<u>Hours</u>	<u>Curricula in which course is required</u>
				laboratory hours	
PHYS	PH 240	Computerized Physical Measurement Using Graphical Programming	3	2 lecture hours, 3 laboratory hours	<ul style="list-style-type: none"> • Engineering Science • Liberal Arts & Science (Mathematics & Science)
PHYS	PH 413	Calculus Physics III	3.5	2 class hours, 2 recitation hours, 2 laboratory hours	<ul style="list-style-type: none"> • Engineering Science • Liberal Arts & Science (Mathematics & Science)
PHYS	PH 416	Thermodynamics	4	4 class hours	<ul style="list-style-type: none"> • Engineering Science • Liberal Arts & Science (Mathematics & Science)
PHYS	PH 440	Modern Physics	4	4 class hours	<ul style="list-style-type: none"> • Engineering Science • Liberal Arts & Science (Mathematics & Science)

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291

Foreign Language Courses

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293 The following courses, from the Department of Foreign Languages and Literature, have been
 294 approved by Queensborough Community College's Academic Senate but will not be offered at the
 295 college:

296

297 **NOTE added for Academic Senate:** *The Academic Senate has approved the following courses from*
 298 *the Department of Foreign Languages and Literatures. The courses, however, are not currently being*
 299 *scheduled for Fall 2013 because President Call has decided not to forward them to the World Cultures*
 300 *and Global Issues Common Core Review Committee. The reason cited for this decision is budgetary*
 301 *constraints at QCC and the cost of the fourth hour which is one hour above the credit hour.---Philip*
 302 *Pecorino*

303

304 **LA 101 Introduction to Arabic I**

305 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

306 **Pre-co requisites: None**

307

308 **Description:** This course is designed to introduce the student to Modern Standard Arabic in a
309 cultural context. Arabic alphabet, pronunciation, essential vocabulary, basic rules of grammar, and
310 common expressions and greetings are presented. Students develop all four skills: reading, writing,
311 speaking, and listening. The main focus is on Modern Standard Arabic (MSA), though students are
312 trained to speak using spoken Arabic.

313

314 **Rationale:** Course will satisfy CUNY Common CORE category 2A. This course is being proposed as a
315 new first-semester language course fulfilling Pathways learning objectives and the Common Core
316 guidelines.

317

318 First- and second-semester language courses at Queensborough Community College have been 4
319 credits, 4 contact hours since at least 1985, and have successfully served generations of our
320 students as an introduction to the formal study of language (including study of grammar and
321 sentence construction), and the comparative study of culture and cultural practices.

322

323 For students taking remedial courses, the first-semester language course and second-semester
324 language course are often the first credit-bearing courses for which they are allowed to register.

325

326 In view of the large proportion of under-prepared students we serve at the very beginning of their
327 college career, the Foreign Languages Department proposes the new configuration 3 credits, 4
328 contact hours: 3 class hours plus 1 recitation hour as a way of maintaining the quality of our
329 instruction while fitting within Common Core Guidelines (1-24-12).

330

331 The weekly recitation hour is justified by the need for students to receive additional intensive oral
332 and written practice in the target language. Interactive oral and written activities will provide for
333 the opportunity to practice the target language in pairs and groups.

334

335 The new configuration of 3 class hours + 1 recitation hour will ensure that the proficiency levels
336 required by the Pathways learning outcomes can be achieved.

337

338 **LA 102 Introduction to Arabic II**

339 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

340 **Pre-co requisites:** A grade of C or higher in LA 101 or placement by Foreign Language department

341

342 **Description:** This is the continuation of Introduction to Arabic I, focusing on Modern Standard
343 Arabic. Students will continue studying the four essential language skills: listening, speaking,
344 reading and writing using a communicative approach. They will also develop basic conversational
345 and grammatical skills, and they will acquire additional insight into the cultural and social contexts
346 of the Arabic-speaking world. Consistent emphasis is placed on authentic materials derived from
347 the living cultural context.

348

349 **Rationale:** Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A

350

351 **LC 101 Introduction to Chinese I**

352 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

353 **Pre-co requisites:** None

354

355 **Description:** This course is an introduction to Mandarin Chinese. It is designed for students who
356 have no previous background in Chinese Practice in the four language skills – listening,
357 speaking, reading, and writing. Emphasis on pronunciation and conversation. Both the pinyin
358 Romanization system and characters will be introduced. This is the first semester of a two-

359 semester course of beginning Chinese. Weekly attendance in the language laboratory is
360 required.

361

362 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

363

364 **LC 102 Introduction to Chinese II**

365 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

366 **Pre-co requisites:** A grade of C or higher in LC 101 or placement by Foreign Language department

367

368 **Description:** Continuation of *Introduction to Chinese I*. Further practice in the four language skills
369 to help students develop simple, practical conversational skills in Mandarin. Weekly attendance in
370 the language laboratory is required.

371

372 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

373

374 **LC 113 Introduction to Mandarin for Students of Chinese Heritage I**

375 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

376 **Pre-co requisites: None**

377

378 **Description:** This course is designed for students of Chinese heritage who have some listening
379 and speaking skills in Mandarin or other Chinese dialects. The focus is on reading, writing, and
380 grammar, along with improvement of oral communication skills.

381

382 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

383

384 **LC 114 Introduction to Mandarin for Students of Chinese Heritage II**

385 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

386 **Pre-co requisites:** A grade of C or higher in LC 113 or placement by Foreign Language department

387

388 **Description:** Continuation of Introduction to Mandarin for Students of Chinese Heritage 1. It aims
389 to consolidate the foundation that students have built in CHIN 113, to expand their vocabulary, to
390 introduce them to more complex grammatical structures, and to continue to strengthen their oral
391 communication skills.

392

393 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

394

395 **LF 101 Introduction to French I**

396 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

397 **Pre-co requisites: None**

398

399 **Description:** This course is an introduction to the French language and the French-speaking world,
400 incorporating a task-oriented approach to language learning. It is designed for students who have
401 no previous background in French. It aims to develop the four basic language skills: listening,
402 speaking, reading and writing. One hour per week of individual practice online or in the language
403 lab is required.

404

405 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

406

407 **LF 102 Introduction to French II**

408 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

409 **Pre-co requisites:** A grade of C or higher in LF 101 or placement by Foreign Language department

410

411 **Description:** This course is a continuation of Elementary French I. It aims to increase and
412 strengthen students' acquisition of the four basic language skills: listening, speaking, reading and
413 writing. One hour per week of individual practice online or in the language lab is required.

414

415 **Rationale: Course will satisfy CUNY Common CORE category 2A**

416

417 **LG 101 Introduction to German I**

418 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

419 **Pre-co requisites: None**

420

421 **Description:** This course is an introduction to the German language and the German-speaking
422 world, incorporating a task-oriented approach to language learning. It is designed for students who
423 have no previous background in German. It aims to develop the acquisition of the four basic
424 language skills: listening, speaking, reading and writing. One hour per week of individual practice
425 online or in the language lab is required.

426

427 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

428

429 **LG 102 Introduction to German II**

430 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

431 **Pre-co requisites:** LG101 or the equivalent with a grade of C or higher or placement by the
432 Department of Foreign Languages

433

434 **Description:** This course is a continuation of Introduction to German I. It aims to increase and
435 strengthen students' acquisition of the four basic language skills: listening, speaking, reading and
436 writing. One hour per week of individual practice online or in the language lab is required.

437

438 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

439

440 **LH 101 Introduction to Hebrew I**

441 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

442 **Pre-co requisites: None**

443

444 **Description:** This course is an introduction to the Hebrew language and Israel, incorporating a
445 task-oriented approach to language learning. It is designed for students who have no previous
446 background in Hebrew. It aims to develop the acquisition of the four basic language skills: listening,
447 speaking, reading and writing.

448

449 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

450

451 **LH 102 Introduction to Hebrew II**

452 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

453 **Pre-co requisites:** A grade of C or higher in LH 101 or placement by Foreign Language department

454

455 **Description:** This is the second semester course for elementary Hebrew. It focuses on the four
456 essential language skills: listening, speaking, reading and writing. Students will continue studying
457 the language through a communicative approach. They will also develop basic conversational and
458 grammatical skills, and they will acquire additional insight into the cultural and social contexts of
459 Hebrew.

460

461 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

462

463 **LI 101 Introduction to Italian I**

464 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

465 **Pre-co requisites: None**

466

467 **Description:** This course is an introduction to the Italian language and Italy, incorporating a task-
468 oriented approach to language learning. It is designed for students who have no previous
469 background in Italian. It aims to develop the acquisition of the four basic language skills: listening,
470 speaking, reading and writing. One hour per week of individual practice online or in the language
471 lab is required.

472

473 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

474

475 **LI 102 Introduction to Italian II**

476 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

477 **Pre-co requisites:** A grade of C or higher in LI 101 or placement by Foreign Language department

478

479 **Description:** This course is a continuation of Elementary Italian I. It aims to increase and
480 strengthen students' acquisition of the four basic language skills: listening, speaking, reading and
481 writing. One hour per week of individual practice online or in the language lab is required.

482

483 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

484

485 **LS 101 Introduction to Spanish I**

486 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

487 **Pre-co requisites: None**

488

489 **Description:** This course is an introduction to the Spanish language and to Hispanic culture,
490 incorporating a task-oriented approach to language learning. It is designed for students who have
491 no previous background in Spanish. It aims to develop the acquisition of the four basic language
492 skills: listening, speaking, reading and writing. One hour per week of individual practice online or in
493 the language lab is required.

494

495 **Rationale:** Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A

496

496

497 **LS 102 Introduction to Spanish II**

498 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

499 **Pre-co requisites:** A grade of C or higher in LS 101 or placement by Foreign Language department

500

501 **Description:** This course is a continuation of Introduction to Spanish I. It aims to increase and
502 strengthen students' acquisition of the four basic language skills: listening, speaking, reading and
503 writing. One hour per week of individual practice online or in the language lab is required.

504

505 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

506

507 **LS 141 Introduction to Spanish for Medical Personnel**

508 **Hours and Credits: 3 credits, 3 class hours + 1 recitation hour**

509 **Pre-co requisites: None**

510

511 **Description:** Course equivalent to SPAN101, or the first semester of the basic language
512 requirement. This course is an introduction to Spanish language and to Hispanic culture. Elements
513 of Spanish grammar and orthography with emphasis on the vocabulary, scientific terms, and idioms
514 necessary to communicate with Spanish-speaking patients. The course is designed for students who
515 do not have any previous knowledge of the language. Native speakers should not take this course.

516

517 **Rationale: Same as for LA 101 and the course will satisfy CUNY Common CORE category 2A**

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Science Courses

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524 The table below includes science courses that have been approved by Queensborough Community
525 College's Academic Senate for I.C. but will not be offered as Pathways common core courses in their
526 current form:

527

<i>Course no.</i>	<i>Course title</i>
GE 102	Historical Geology
PH 110	Principles of Astronomy and Space

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Curricular changes

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531 Every A.A. and A.S. degree program not a dual/joint degree program has been revised to conform to
 532 the Pathways paradigm; curricular changes for each degree program appear on the following pages
 533 (previous configuration on the left, modified curriculum on the right).

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535

Business Administration – A.S. – Curricular Revision

536

FROM:	Credits	TO:	Credits
General Education*		Common Core	
English Composition I, II (EN 101 or 103 and EN 102)	6	REQUIRED CORE: I. A. English Composition I, II	6
Foreign Language and/or Liberal Arts and Sciences	4-8	REQUIRED CORE: I. B. Mathematical and Quantitative Reasoning (Select one course from I.B; recommended: MA 128 or 260 or 440 <i>see note under Major electives</i>)	3
Mathematics (MA 128 or MA 260 or MA 440)	4	REQUIRED CORE: I. C. Life and Physical Sciences (Select one course from I.C; <i>see note under Major electives.</i>)	3
Laboratory Science	4-4.5	FLEXIBLE CORE: II. A. World Cultures and Global Issues (Select one course from II.A)	3
Health Education (HE 101 of HE 102)	1-2	FLEXIBLE CORE: II. B. U.S. Experience in Its Diversity (Select one course from II.B)	3
History (one course selected from HI-110, 111, or 112)	3	FLEXIBLE CORE: II. C. Creative Expression (Select one course from II.C)	3
Macroeconomics & Microeconomics (SS 211 & SS 212)	6	FLEXIBLE CORE: II. D. Individual and Society (Select one course from II.D)	3
Speech Communication (SP-211) or Humanities	3	FLEXIBLE CORE: II. E. Scientific World (Select one course from II.E)	3

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Social Sciences elective	3	FLEXIBLE CORE: II. A, B, C, D or E. (Select one additional course)	3
General Education Subtotal	31-36.5		Subtotal 30-34*
		<i>*The credit range accounts for those students who opt to take STEM variants in I.B, I.C, II.E, and the additional course in the flexible core.</i>	
Major		Major Requirements	
BU 101 Principles of Accounting I	4	BU 101 Principles of Accounting I	4
BU 102 Principles of Accounting II	4	BU 102 Principles of Accounting II	4
BU 201 Business Organization and Management	3	BU 201 Business Organization and Management	3
BU 203 Principles of Statistics	3	BU 203 Principles of Statistics	3
BU 301 Business Law I	3	BU 301 Fundamentals of Business Law	3
BU 512 Introduction to Information Systems and Technologies	3	BU 512 Introduction to Computer Systems and Technologies	3
BU 401 Elements of Marketing or BU 701 Principles of Finance	3	ECON 101 Introduction to Microeconomics or ECON 102 Introduction to Macroeconomics*	3
		<i>*Students who have taken ECON 101 or ECON 102 in the common core are required to take BU 401 or BU 701 – It is suggested that both BU 401 and BU 701 be taken for transfer to a 4 year business program.</i>	
Subtotal	23	Subtotal	23
Elective(s)		Major Electives	
Free electives	1-6	Laboratory science (for students who have not taken STEM variant in I.C and/or II.E)	0-1
Current Total and Subtotal	60	Math (for students who have not taken STEM variant in I.B)	0-1
		Subtotal	0-2
		Elective(s) – free electives	3-5
		Total	60

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Engineering Science - A.S. - Curricular Revision

542

From:	
General Education*	Credits
English Composition I, II (EN 101 and EN 102)	6
Humanities elective or Speech Communication (SP 211)	3
History (one course selected from HI-110, 111, or 112)	3
Social Sciences, History, or Humanities elective	3
Social Sciences elective	3
Health Education (HE 102)	2
Analytical Geometry and Calculus I, II, III (MA 441, 442, 443)	12
Differential Equations (MA 451) or Linear Algebra (MA 461)	4
General Chemistry (CH 151, 152)	9
Calculus Physics I, II, III (PH 411, 412, 413)	10
Modern Physics (PH 440) or Analytical Mechanics (PH 414)	4
Subtotal	59
Requirement Related to the Major	
CH 251 Organic Chemistry I	6
CH 252 Organic Chemistry II	
CS 101 Algorithmic Problem Solving I	
EE 101 Engineering Design I	
EE 103 Computer-aided Analysis for Electrical Engineers	

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CH 251 Organic Chemistry I	6
CH 252 Organic Chemistry II	
CS 101 Algorithmic Problem Solving I	
EE 101 Engineering Design I	
EE 103 Computer-aided Analysis for Electrical Engineers	
EE 204 Electric Circuits	
ET 810 Digital Computation Fundamentals	

To:	
Common Core	Credits
REQUIRED CORE: I. A. English Composition I, II (EN 101 and EN 102)	6
REQUIRED CORE: I. B. Mathematical and Quantitative Reasoning (Select one course from I.B. Advised: MA 441, required for major.)	3(-4)
REQUIRED CORE: I. C. Life and Physical Sciences (Select one course from I.C. Advised: CH 151, required for major.)	3(-4)
FLEXIBLE CORE: II. A. World Cultures and Global Issues (Select one course from II.A)	3
FLEXIBLE CORE: II. B. U.S. Experience in Its Diversity (Select one course from II.B)	3
FLEXIBLE CORE: II. C. Creative Expression (Select one course from II.C)	3
FLEXIBLE CORE: II. D. Individual and Society (Select one course from II.D)	3
FLEXIBLE CORE: II. E. Scientific World (Select one course from II.E. Advised: PH 411, required for major)	3(-4)
FLEXIBLE CORE: II. A, B, C, D or E. (Select one additional from II.E. Advised: PH 412, required for major.)	3(-4)
Subtotal	30-34*
<i>*Credits beyond 30 in the Common Core will count as electives; see below.</i>	
Major	
MA 442 and 443 Analytical Geometry II and III	8
MA 451 Differential Equations	4
PH 413 Calculus Physics III	3.5
EE 101 Engineering Design I	1
EE 204 Electric Circuits	3

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EE 103 Computer-aided Analysis for Electrical Engineers	2
<i>Computer programming options (select one):</i>	3
PH 240 Computerized Physical Measurement using Graphical Programming	
ET 810 Digital Computation Fundamentals	
ET 505 Introduction to C++ Object Oriented Programming	
CS 101 Algorithmic Problem solving I	
Subtotal	24.5
Engineering Concentrations	
<i>Chemical Engineering:</i> CH 152, General Chemistry II; CH 251, Organic Chemistry I; CH 252, Organic Chemistry II	6.5-8.5
<i>Civil Engineering:</i> PH 416, Thermodynamics; MT 345, Strength of Materials; MA 461, Linear Algebra	
<i>Electrical Engineering:</i> EE 205, Linear Systems Analysis; PH 416, Thermodynamics; CH 152, General Chemistry II; ET 540, Digital Computer Theory I	
<i>Mechanical Engineering:</i> MT 293, Parametric Computer-aided Design Drafting; PH 416, Thermodynamics; PH 440, Modern Physics; MA 461, Linear Algebra; CH 152, General Chemistry II	
Subtotal	6.5-8.5
Elective(s)	
I.B, I.C, and II.E elective credits	0-4
Subtotal	0-4
Total	65

Gallery and Museum Curricular Revision

Studies - A.S. -

FROM:	Credits	TO:	Credits
General Education		Common Core	
EN-101, 102 English Composition I, II	6	REQUIRED CORE: I. A: English Composition I, II <u>Take EN-101 or EN-103 and EN-102</u>	6
AR-311 History of Art I	3	REQUIRED CORE: I. B: Mathematical & Quantitative Reasoning (Select one	3

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		course) <u>MA-301 or MA-119 recommended</u>	
Foreign Language (3 to 8 credits)	6-8	<u>REQUIRED CORE: I. C: Life & Physical Sciences (Select one course)</u>	3
		<u>CH-106 (4 credits) recommended (see Additional Major Requirements below)</u>	
MA-301 or 120 Mathematics	3	<u>FLEXIBLE CORE: II. A: World Cultures & Global Issues (Select one course)</u> <u>Foreign Language or History recommended</u>	3
CH-103 Chemistry and the Art	3	<u>FLEXIBLE CORE: II. B: U.S. Experience in Its Diversity (Select one course)</u>	3
CH-104 Chemistry and the Arts Laboratory	1	<u>FLEXIBLE CORE: II. C: Creative Expression (Select one course)</u> <u>AR-315, AR-316, AR-317, AR-320, AR-326 or AR-328 recommended</u>	3
HE-102 Health Education	2	<u>FLEXIBLE CORE: II. D: Individual & Society (Select one course)</u> <u>SOCY-125 recommended</u>	3
HI-110, 111, or 112 History	3	<u>FLEXIBLE CORE: II. E: Scientific World (Select one course)</u>	3
SP-211 Speech Communication	3	<u>FLEXIBLE CORE: II: A, B, C, D or E (Select one course)</u> <u>AR-315, AR-316, AR-317, AR-320, AR-326 or AR-328 recommended</u>	3
SS-110, 310, or 510 Social Sciences elective	3		
		Subtotal	30-31*
		<i>*The credit range accounts for students who opt to take a STEM variant in I.C.</i>	
Subtotal	33-35	Major	
Major		AR-801 Art Administration	2
AR-801 Art Administration	3	AR-804 Art Institutions and the Business of Art	3
AR-804 Art Institutions and the Business of Art	3	AR-803 Art Curating	3
AR-803 Art Curating	3	AR-311 History of Art I	3
AR-312 History of Art II	3	AR-312 History of Art II	3
AR-320 Contemporary Art	3	AR-901, 902 Gallery Internship I, II	4
AR-901, 902 Gallery Internship I, II	4	BU-201 Business Organization and Management	3
BU-201 Business Organization and Management	3		
		Subtotal	21
Subtotal	21	Additional Major Requirements	
Elective(s)		HE-101 or 102 Health Education	1-2
Art History elective (AR-315, AR-326 or AR-328, recommended)	3	SP-211 Speech Communication (<i>if SP-211 is taken as part of the Common Core, take an additional Art History elective</i>)	3
Free electives	1-3	CH-104 Chemistry and the Arts Laboratory (<i>students who have taken CH-106</i>)	0-1

Free electives	1-3	CH-104 Chemistry and the Arts Laboratory (<i>students who have taken CH-106 have filled this requirement</i>)	0-1
Subtotal	4-6	Foreign Language	3-4
Total	60	Subtotal	7-9
		Free electives	0-1
		Total	60

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Health Sciences – A.S. – Curricular Revision

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FROM:	
General Education	Credits
English Composition (EN 101, 102)	6
Foreign Language and/or Liberal Arts and Sciences and/or Speech	6-8
Social Science (SS 510, Psychology)	3
History	3
Social Sciences, History, or Humanities elective	3
Mathematics (MA 336 or 440)	3-4
Laboratory Sciences (BI 201, 202 and CH 127 or CH 151)	12.5
Subtotal	36.5-39.5
Course distribution	
See transfer articulations	20-23
Subtotal	20.5-23.5
Pre-professional preparation (unless taken in core distribution)	
Organization and Delivery of Health Care (BI 150)	2
The Health of the Nation	2
Scientific Use of Computers (PH 303) or equivalent computer apps. course	2
Subtotal	6

Total	60
<p>Major/Course Distribution based on transfer articulations:</p> <p>CHOOSE FROM: ANTH 101 (formerly SS 110); AR 310; BI 150; 151; 235*; 250; 311; 403; 421*; 453; 456; 457, 461; 510; 550; 551; 558; BU 101; 201; 500; CH 127; 128; 151; 152; 251; 252; CS 100; ECON 101 (formerly SS211); EN 401; 402; 444; 445; ET 501; HE 103; 105; 106; 110; 111; IS 151; 210; 220; MA 441; MU 110; 271; 272; PE 441 OR 530; PH 301; 302; 303; PSYC 220 (formerly SS520); PSYC 225 (formerly SS525); PSYC 230 (formerly SS530); PSYC 270 (formerly SS570); SOC 101 (formerly SS310).</p> <p>* BI 301 and BI 302 may be substituted for BI 235 and BI 421.</p>	

TO:	Credits
Common Core	
REQUIRED CORE: I. A: English Composition I, II (Take EN 101 & 102)	6
REQUIRED CORE: I. B: Mathematical & Quantitative Reasoning (Recommended: MA 336 or MA 440)	3
REQUIRED CORE: I. C: Life & Physical Sciences (Recommended: BI 201)	3
FLEXIBLE CORE: II. A: World Cultures & Global Issues (Select one course)	3
FLEXIBLE CORE: II. B: U.S. Experience in Its Diversity (Select one course)	3
FLEXIBLE CORE: II. C: Creative Expression (Select one course)	3
FLEXIBLE CORE: II. D: Individual & Society (Select one course)	3
FLEXIBLE CORE: II. E: Scientific World (Recommended: PSYC 101)	3
FLEXIBLE CORE: II: A, B, C, D or E (Recommended: CH 127 or 151)	3
Subtotal	30-34*
<i>The credit range accounts for students who take STEM variants in I.B, I.C, and II.E.</i>	
Major/Course Distribution	
BI 202	4

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Organization and Delivery of Health Care (BI 150)	2
The Health of the Nation (IS 151)	2
PH 303 or an equivalent computer applications course	2
Advised major electives selected from the list below and guided by appropriate transfer articulations; includes credits from STEM variants beyond 30 which are taken as part of the common core.	16-20
Subtotal	26-30
Total	60

Liberal Arts and Sciences – A.A. – Curricular Revision

Major/Course Distribution based on transfer articulations:

CHOOSE FROM: ANTH 101 (formerly SS 110); AR 310; BI 150; 151; 235*; 250; 311; 403; 421*; 453; 456; 457, 461; 510; 550; 551; 558; BU 101; 201; 500; CH 127; 128; 151; 152; 251; 252; CS 100; ECON 101 (formerly SS211); EN 401; 402; 444; 445; ET 501; HE 103; 105; 106; 110; 111; IS 151; 210; 220; MA 441; MU 110; 271; 272; PE 441 OR 530; PH 301; 302; 303; PSYC 220 (formerly SS520); PSYC 225 (formerly SS525); PSYC 230 (formerly SS530); PSYC 270 (formerly SS570); SOC 101 (formerly SS310).

* BI 301 and BI 302 may be substituted for BI 235 and BI 421.

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Current	Credits	Revised	Credits
GENERAL EDUCATION		PATHWAYS COMMON CORE REQUIREMENTS	
Art (AR 300 series) or Dance (PE-711) or Music (MU100 series) or Speech Communication and Theatre Arts (SP-471, 472) or TH-111 (formerly SP-532)	3	<u>Required Core: I.A. English Composition</u> EN-101, 102 English Composition I, II	6
English: EN-101 and 102 and one course selected from EN-200, 300, or 400 series	9	<u>Required Core: I.B. Mathematical and Quantitative Reasoning</u> Select one course	3
Foreign Language: Two sequential language courses are required (level and sequence of courses are determined by students' previous knowledge and/or performance on departmental placement exam).*	6-8	<u>Required Core: I.C. Life and Physical Sciences</u> Select one course	3
Mathematics: Students may select one of the following: MA-120 ♣, 301, 303, 315, 321, 336, 440, 441, 442 (♣ MA-120 fulfills the mathematics requirement only for the A.A. in Liberal Arts & Science and for the A.S. in Visual and Performing Arts.)	3-4	<u>Flexible Core: II.A. World Cultures and Global Issues</u> Select one course	3
Laboratory Science To be chosen in accordance with laboratory science requirements listed under Understanding Program Requirements.	4-4.5	<u>Flexible Core: II.B. U.S. Experience in Its Diversity</u> Select one course	3
Elective in Mathematics (any course in the list above), Natural Science (any non-laboratory or laboratory science course – see list below of non-laboratory science courses), Computer Literacy (CS-100 or ET-820), or Computer Science (CS-101) <i>Please note that BU-500 does not satisfy this requirement, but may be taken as a free elective.</i>	3-4.5	<u>Flexible Core: II.C. Creative Expression</u> Select one course	3
Health Education (HE-101 or 102)	1-2	<u>Flexible Core: II.D. Individual and Society</u> Select one course	3
HI-110, 111, or 112 and one additional course in HI-100 series	6	<u>Flexible Core: II.E. Scientific World</u> Select one course	3
Two courses in Physical Education or Dance from the PE-400, 500, or 600 series	2	<u>Flexible Core: II A, B, C, D, or E</u> Select one course	3
Social Sciences	6	Sub-total	30-34*
Speech Communication: SP-211	3	<i>*The credit range accounts for those students who opt to take STEM variants in I.B, I.C, II.E, and the additional course in the flexible core.</i>	
Liberal Arts and Sciences elective(s)** to make up a minimum of 48 Liberal Arts and Sciences credits	0-5	MAJOR REQUIREMENTS	
Sub-total	51-52	Liberal arts and sciences courses to make up a minimum of 48 Liberal Arts and Sciences credits ALL STUDENTS IN THE LIBERAL ARTS AND SCIENCE A.A. DEGREE PROGRAM MUST CHOOSE FROM AND COMPLETE ONE OF THE CONCENTRATIONS (SEE	14-18

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		DETAILS BELOW) TO COMPLETE THE DEGREE REQUIREMENTS.	
ELECTIVES		Sub-total	14-18
		ADDITIONAL MAJOR REQUIREMENTS	
		HE 101 or HE-102	1-2
		Two courses in Physical Education or Dance from PE 400 and 500 series or DAN 100 series	2
		Sub-total	3-4
Free electives	8-9	ELECTIVES OR CONCENTRATION CHOICES	
Sub-total	8-9	Free electives or concentration choices – see below	8-9
TOTAL CREDITS REQUIRED	60	Sub-total	8-9
		TOTAL CREDITS REQUIRED	60
<p>* Students with prior study in languages not taught at College should consult with chair of Foreign Languages & Literatures for evaluation and choose another course offered by department.</p> <p>** See section on Understanding Program Requirements.</p> <p>Non-laboratory Science Electives</p> <p>Geology 100, Geology 105, Geology 125</p> <p>Biology 110, Biology 120, Biology 170‡</p> <p>Chemistry 101‡, Chemistry 103‡, Chemistry 110‡, Chemistry 120‡, Chemistry 130‡ Physics 103‡, Physics 120‡</p> <p>‡ Courses with option of laboratory</p>		<p>Liberal Studies – To complete a concentration in Liberal Studies, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>two sequential courses are required, level and sequence to be determined by department placement</i>) • HI-110 or HI-111 or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one Social Science course from Anthropology, CRIM 101 or 102, Economics, Sociology, Political Science, or Psychology is required</i>) • SP-211 (<i>if already taken in common core, one Social Science course from Anthropology, CRIM 101 or 102, Economics, Sociology, Political Science, or Psychology is required</i>) • One English course from EN-200, EN-300 or EN-400 series • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>Free electives (8-9 credits)</p>	
		<p>American Studies – To complete a concentration in American Studies, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>two sequential courses are required, level and sequence to be determined by department placement</i>) • HI-110, HI-111, or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from American Studies concentration</i>) • SP-211 • One English course from EN-219, EN-220, EN-411, EN-412 • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>Choose (8-9 credits) from the American Studies Concentration: ANTH-140, SOCY-101, PLSC-101, PLSC-180, AR-316; HI-125, HI-127, HI-128, HI-129, HI-135; MU-141; SP-471, 472 ; PHIL-165</p>	
		<p>English – To complete a concentration in English, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>two sequential courses are</i> 	

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	<p><i>required, level and sequence to be determined by department placement)</i></p> <ul style="list-style-type: none"> • SP-211 (<i>if already taken in common core, one additional course from the EN-200, EN-300, or EN-400 series is required</i>) • One science lab. course (students who take STEM variant in common core have satisfied this requirement) • One Social Sciences course from ANTH-101, SOCY-101, SOCY-125, PLSC-101, CRIM-101 or CRIM-102 (<i>if already taken in common core, one additional course from choices above required; if two of these Social Sciences courses have been taken in common core, one additional course from EN-200, EN-300, or EN-400 series is required</i>) • One History course from HI-110 or HI-111 or HI-112 (<i>if already taken in common core, one additional History course is required; if two History courses have been taken in common core, one additional course from EN-200, EN-300, or EN-400 series is required</i>) • Concentration (9 credits): EN-230 and choose from EN-200, EN-300, or EN-400 series.
	<p>Exercise Science – To complete a concentration in Exercise Science, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Languages courses (<i>two sequential courses are required, level and sequence to be determined by department placement</i>) • HI-110 or HI-111 or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from Anthropology, Economics, Sociology, Political Science, Psychology is required</i>) • SP-211 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from PSYC 100 series is required</i>) • One English course from EN-200, EN-300, or EN-400 series • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>PE 825 Introduction to Exercise Sciences, HE 103 Nutrition and Health, and HE 108 Physical Fitness Assessment and Prescription</p>
	<p>Gender Studies – To complete a concentration in Gender Studies, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>two sequential courses are required, level and sequence to be determined by department placement</i>) • HI-110, HI-111, or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from Gender Studies concentration</i>) • Speech Communication: SP-211 • Choose one English course from EN-200, EN-300, or EN-400 series (recommended: EN-224, 225: Special Topics in Writing as Craft: Gender Studies) • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>Choose (8-9 credits) from Gender Studies concentration: HI-126, HI-152, ANTH-170, SOCY-230, SOCY-250, PSYC-255, EN-224, EN-225, HE-</p>

	<p>105</p> <p>Health and Behavior – To complete a concentration in Health and Behavior, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>two sequential courses are required, level and sequence to be determined by department placement</i>) • HI-110 or HI-111 or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from PSYC-125, SOCY-290 or ANTH-160 is required</i>) • SP-211 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from PSYC-125, SOCY-290 or ANTH-160 is required</i>) • One English course from EN-200, EN-300 or EN-400 series • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>Choose (8-9 credits) from: HE-107 Mental Health: Understanding Your Behavior, HE-104 Addictions and Dependencies, HE-111 Stress Management</p>
	<p>Health Promotion and Disease Prevention – To complete a concentration in Health Promotion and Disease Prevention, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>two sequential courses are required, level and sequence to be determined by department placement</i>) • HI-110 or HI-111 or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from Anthropology, Economics, Sociology, Political Science, Psychology is required</i>) • SP-211(<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from PSYC-100 series is required</i>) • One English course from EN 200, 300, or 400 series • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>IS-151 Health of the Nations, HE-105 Human Sexuality, PE-540 Introduction to Physical Fitness, and HE-114 Foundations of Health Promotion and Disease Prevention</p>
	<p>International Studies – To complete a concentration in International Studies, students must complete the major requirements below.</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>sequential courses are required, level and sequence of courses to be determined by departmental placement</i>) • HI-110 or HI-111 or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from: Foreign Language Culture Courses in Translation (400-level);</i>

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	<p>HI-118, HI-133, HI-140, HI-141, HI-152, HI-191, HI-195; MU-120, MU-180; AR-310, AR-311, AR-312, AR-326, AR-328; ANTH-101, ANTH-130, ANTH-150, ECON-235, PLSC-140</p> <ul style="list-style-type: none"> • SP-211 (if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from: Foreign Language Culture Courses in Translation (400-level); HI-118, HI-133, HI-140, HI-141, HI-152, HI-191, HI-195; MU-120, MU-180; AR-310, AR-311, AR-312, AR-326, AR-328; ANTH-101, ANTH-130, ANTH-150, ECON-235, PLSC-140 • One English course from EN-444, EN-445, or EN-446 • One science lab course (students who take STEM variant in common core have satisfied this requirement) <p>Choose 3 credits from Foreign Language 200 or 300 level and 5–6 credits from: Foreign Language Culture Courses in Translation (400-level); HI-118, HI-133, HI-140, HI-141, HI-152, HI-191, HI-195; MU-120, MU-180; AR-310, AR-311, AR-312, AR-326, AR-328; ANTH-101, ANTH-130, ANTH-150, ECON-235, PLSC-140</p>
	<p>Nutrition – To complete a concentration in Nutrition, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (two sequential courses are required, level and sequence to be determined by department placement) • HI-110 or HI-111 or HI-112 (if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from Anthropology, Economics, Sociology, Political Science, Psychology is required) • SP-211 (if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from PSYC-100 series is required) • One English course from EN-200, EN-300, or EN-400 series • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>IS-151 Health of the Nations, HE-103 Nutrition and Health, and HE-114 Foundations of Health Promotion and Disease Prevention</p>
	<p>Physical Education – To complete a concentration in Physical Education, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (two sequential courses are required, level and sequence to be determined by department placement) • HI-110 or HI-111 or HI-112 (if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from Anthropology, Economics, Sociology, Political Science, Psychology is required) • SP-211 (if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from PSYC-100 series is required) • One English course from EN-200, EN-300, or EN-400 series • One science lab. course (students who take STEM variant in

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	<p>common core have satisfied this requirement)</p> <p>HE-110, PE-540, PE-825, and three courses in PE-500 series</p>
	<p>Psychology – To complete a concentration in Psychology, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>two sequential courses are required, level and sequence to be determined by department placement</i>) • HI-110 or HI-111 or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from PSYC-200 series is required</i>) • SP-211 (<i>if already taken in common core, one course from HI-100 series is required unless two History courses have been taken in common core</i>) • One English course from EN-200, EN-300 or EN-400 series • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>Choose (8-9 credits) from PSYC-200 series. Students who plan to pursue a Psychology major are strongly recommended to take the following:</p> <p>PSYC 230 Abnormal Psychology or PSYC 250 Personality and</p> <p>PSYC 215 Child Development or PSYC 220 Human Growth and Development</p>
	<p>Sociology – To complete a concentration in Sociology, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>two sequential courses are required, level and sequence to be determined by department placement</i>) • HI-110, HI-111, or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from SOCY-200 series is required</i>) • Speech Communication: SP-211 • One English course from EN-200, EN-300, or EN-400 series (recommended: EN-216 Popular Culture; EN-224, 225 Special Topics in Writing as Craft: The Immigrant Experience or Navigating Difference: Reading and Writing About Being “Other” or Be Home Before Dark: Reading and Writing about Family) • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>Choose (8-9 credits) from the SOCY-200 series, SOCY-125, or</p>

	<p>UBST-101.</p> <p>Students who plan to pursue a Sociology major are strongly recommended to take the following:</p> <p>1) SOCY-220 Urban Sociology, SOCY-230 Sociology of the Family, or SOCY-275 Media and Society <i>and</i> 2) SOCY-240 Racial and Ethnic Relations or SOCY-250 Sociology of Gender</p>
	<p>Urban Studies – To complete a concentration in Urban Studies, students must complete the major requirements below:</p> <ul style="list-style-type: none"> • Two Foreign Language courses (<i>two sequential courses are required, level and sequence to be determined by department placement</i>) • HI-110, HI-111, or HI-112 (<i>if already taken in common core, one course from HI-100 series is required; if two History courses have been taken in common core, one additional course from Urban Studies Concentration</i>) • SP-211 • One English course from EN-200, EN-300, or EN-400 series (recommended: EN-219 Reading and Writing about New York; EN-224, 225 Special Topics in Writing as Craft: The Immigrant Experience) • One science lab. course (students who take STEM variant in common core have satisfied this requirement) <p>Choose (8-9 credits) from the Urban Studies Concentration: HI-125, HI-129, HI-136; SS-320, SOCY-125, SOCY-240, SS-360, UBST-101, UBST-102, UBST-202; CRIM-101; EN-219, EN-224, EN-225</p>

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594

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To:	Credits
Common Core	
REQUIRED CORE: I. A. English Composition I, II (EN 101 or 103 and EN 102)	6
REQUIRED CORE: I. B. Mathematical and Quantitative Reasoning (MA 440 or 441 recommended; if 4-credit course; see note under Subtotal below.)	3(-4) 594
REQUIRED CORE: I. C. Life and Physical Sciences (BI 201, CH 151, PH 301, or PH 411 recommended; if 4-credit course; see note under Subtotal below.)	3(-4)
FLEXIBLE CORE: II. A. World Cultures and Global Issues (Select one course from II.A)	3
FLEXIBLE CORE: II. B. U.S. Experience in Its Diversity (Select one course from II.B)	3
FLEXIBLE CORE: II. C. Creative Expression (Select one course from II.C)	3
FLEXIBLE CORE: II. D. Individual and Society (Select one course from II.D)	3
FLEXIBLE CORE: II. E. Scientific World (BI 201, CH 151, PH 301, or PH 411 recommended; if 4-credit course; see note under Subtotal below.)	3(-4)
FLEXIBLE CORE: II. A, B, C, D or E (STEM variant selection recommended; if 4-credit course; see note under Subtotal below.)	3(-4)
Subtotal (Credits beyond 30 in the Common Core will be counted toward the Liberal Arts & Sciences component of the Major and be accounted for in the Concentration.)	30(-34)
Major	
MA 441 (or higher level)	4
Select one course from BI 202, CH 152, PH 302, or PH 412 and PH 413 (a student may not receive credit for both PH302 and the combination of PH412 and PH413 Select a second course from BI 202, CH 152, CS 201, CS203, MA442 (or higher level), PH 302, or PH 412 and PH 413 (a student may not receive credit for both PH302 and the combination of PH412 and PH413)	8-11
Concentration** (STEM credits beyond 30 in the Common Core will count toward the Concentration.)	4-7
Subtotal	19
Additional Major Requirements	
Speech Communication (SP 211) (if not taken in common core, otherwise additional course in concentration)	3
Social Science (if not taken in common core, otherwise additional course in concentration)	3
History (if not taken in common core, otherwise additional course in concentration)	3
HE 101 (HE-102 may be substituted for HE-101)	1
One course in Physical Education from PE-400 or 500 series or one course from DAN-100 series	1
Subtotal	11

Total	595 596
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**Liberal Arts and Sciences
(Mathematics and Science) – A.S. –**

597

Curricular Revision

598

From:	599
	600
	Credits
General Education*	601
English Composition I, II (EN 101 and EN 102)	602
Foreign Language and/or Liberal Arts and Sciences	603
Mathematics	3-4 604
Laboratory Science	4-5
History (one course selected from HI-110, 111, or 112)	605 3
Speech Communication (SP-211)	606
Social Science, History, or Humanities elective	3
Social Science	3
Health Education (HE-101 or 102)	608 1-2
One course in Physical Education from PE-400 or 500 series or one course in Dance from DAN-100 series	609
General Education Subtotal	3138
Major	20-25 611
Elective(s) – free electives	2
Current Total	612 60
	613
* 50% of credits toward degree must be in liberal arts and sciences.	614
** Students who enroll in the LS1 select courses in the concentration based on consultations with an advisor in the appropriate department:	615
Biological Sciences and Geology, Chemistry, Mathematics and Computer Science, or Physics.	616
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Visual and Performing Arts – A.A. – Curricular Revision

From:	Credits
General Education	
English Composition I, II (EN 101, 102)	6
Foreign Language and/or Liberal Arts and Sciences (at least one FL course required)	6-8
Mathematics (MA-120, 301, 303, 321, 336, 440, or 441)	3-4
Laboratory Science	4-5
Health Education (HE-101 or 102)	1-2
History (one course selected from HI-110, 111, or 112)	3
One course in Physical Education or Dance from the PE-400, 500, or 600 series	1
Speech Communication (SP-211)	3
Art (AR- 300 series) or Dance (PE-711) or Music (MU- 100 series) or Speech Communication and Theatre Arts (SP-471, 472, or TH-111 (formerly SP-532) (Student must complete in an area different from concentration)	3
Social Sciences elective	3
General Education Subtotal	33-38
Major	
CONCENTRATION IN ART AND DESIGN, DANCE, MUSIC, THEATRE ARTS, OR INTERDISCIPLINARY PROGRAM	20-26
Elective(s)	
Free electives	1-2
Current Total and Subtotals	60

To:	Credits
General Education - Common Core	
REQUIRED CORE: I. A. English Composition I, II (EN 101, 102)	6
REQUIRED CORE: I. B. Mathematical and Quantitative Reasoning (Select one course from I.B)	3
REQUIRED CORE: I. C. Life and Physical Sciences (Select one course from I.C)	3
FLEXIBLE CORE: II. A. World Cultures and Global Issues (Select one course from II.A)	3
FLEXIBLE CORE: II. B. U.S. Experience in Its Diversity (Select one course from II.B)	3
FLEXIBLE CORE: II. C. Creative Expression (Select one course from II.C) Advisory note: select from an area different from the concentration	3
FLEXIBLE CORE: II. D. Individual and Society (Select one course from II.D)	3
FLEXIBLE CORE: II. E. Scientific World (Select one course from II.E)	3
FLEXIBLE CORE: II. A, B, C, D or E. (Select one additional course from any one of the flexible core categories) Advisory Note: select course from II.C, Creative Expression, in the concentration discipline (e.g., AR-300 series or DAN-111 or MU-110 or 120 or TH-111)	3
Subtotal	30-31*
<i>*The credit range accounts for students who take a STEM variant in I.C.</i>	
Major	
Speech Communication (SP-211) (if not taken in the Common Core; otherwise, take a Foreign Language course OR HI-110, 111, or 112 OR a Social Sciences course)	3
Health Education (HE-101 or HE-102)	1-2

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621

One course in Physical Education or Dance from the PE-400 or 500 series or DAN-100 series	1
Major elective: science laboratory (<i>students who take a STEM variant in I.C. have met this requirement</i>)	0-1
CONCENTRATION IN ART & DESIGN, DANCE, MUSIC, THEATRE ARTS OR INTERDISCIPLINARY PROGRAM	21-23
Subtotal	26-30
Elective(s)	
Free electives	0-3
Current Total and Subtotals	60

621 **QCC COMMON CORE: ALL COURSES ARE APPROVED BY SENATE AND REVIEW COMMITTEES UNLESS**
 622 **OTHERWISE NOTED (as of 2/23/13)**

623

624 **Required Core A - Composition (I.A)**

625

EN-101	English Composition I
EN-102	English Composition II: Introduction to Literature
*EN 103	Writing for New Media - <i>returned for revision, revised and resubmitted</i>

626

627 **Required Core B - Mathematics and Quantitative Reasoning (I.B)**

628

<u>Non-STEM</u>		<u>STEM</u>	
MA 301	Foundations of Mathematics	MA 114	College Algebra & Trigonometry for Technical Students
*MA 315	Topics in Mathematics (<i>will need additional revision after most recent review</i>)	MA 119	College Algebra
		MA 127	Technical Mathematics II for Verizon Students
MA 321	Mathematics in Contemporary Society	MA 128	Calculus for Technical & Business Students
		MA 260	Pre-calculus & Elements of Calculus for Business Students
		MA 303	Number Systems
		MA 336	Computer-assisted Statistics
		MA 440	Pre-calculus Mathematics
		MA 441	Analytical Geometry & Calculus I
		MA 442	Analytical Geometry & Calculus II

629

630 **Required Core C - Life and Physical Sciences (I.C)**

631

<u>Non-STEM</u>		<u>STEM</u>	
		BI 140	Principles of Biology
BI 130	Foundations of Biology	BI 201	General Biology I
BI 170	Plants and People	BI 301	Anatomy & Physiology I
CH 101	Living in a Chemical World	BI 520	Public Health Sciences

CH110	Chemistry and the Environment	CH 106	Chemistry in the Arts)
CH 120	Fundamentals of Chemistry	CH 127	Introductory College Chemistry
ET 841	The Science of Energy & Power in the Modern World	CH 128	Introductory Organic Chemistry
PH 111	Space, Astronomy and our Universe	CH 151	General Chemistry I
		CH 152	General Chemistry II
		CH 251	Organic Chemistry I
		CH 252	Organic Chemistry II
		GE 101	Physical Geology
		PH 101	Principles of Physics
		PH 140	Acoustics: The Physics of Sound
		PH 201	General Physics I
		PH 202	General Physics II
		PH 301	College Physics I
		PH 302	College Physics II
		PH 411	Calculus Physics I
		PH 412	Calculus Physics II

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633 **Note: BI 110 was revised and submitted for IIE**

634 **Flexible Core A - World and Global Cultures (II.A)**

635

ANTH 130	Cultures and Peoples of Asia
ANTH 150	Peoples and Cultures of the Caribbean
ECON 235	International Economics
HI 110	Introduction to Ancient Civilization
HI 111	Introduction to Medieval and Early Modern Western Civilization
HI 112	Introduction to Modern Western Civilization
HI 113	Europe and the World Since 1945
HI 118	Ancient Greek History
HI 133	Introduction to Modern East Asian Civilizations
HI 140	Latin American History I: Ancient Times to Independence (1500 BC - 1825)
HI 141	Latin American History II: Independence to the Present
HI 144	Modern Economic History
HI 152	Women in World History: From Prehistoric Times to the Present
HI 153	War and Warfare in Western History: From Gunpowder to Desert Storm
HI 181	History of the Second World War
HI 191	History of Genocide in the 20 th Century
HI 195	Judaism, Christianity, and Islam

LC 311	Readings in Contemporary Chinese Literature I
LC 312	Readings in Contemporary Chinese Literature II
LC 321	Business Chinese I
LF 213	Intermediate French I
LF 214	Intermediate French II
LF 401	French and Francophone Cultures Today
LG 213	Intermediate German I
LG 401	The Culture of German-Speaking Countries Today
LH 213	Intermediate Hebrew I
LI 213	Intermediate Italian I
LS 213	Intermediate Spanish I
LS 214	Intermediate Spanish II
LS 221	Workshop in Reading and Writing for Spanish Heritage Speakers I
LS 222	Workshop in Reading and Writing for Spanish Heritage Speakers II
LS 223	Workshop in Reading and Writing for Spanish Heritage Speakers III
LS 402	Latin American and Caribbean Cultures Today
Revised and resubmitted:	
PLSC 140	Comparative Political Systems
PLSC 170	War, Revolution, and Terrorism

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638 **Flexible Core B – US and its Diversity (II.B)**

639

ANTH 140	North American Indians
HI 125	Immigration and Ethnic Groups in American History
HI 126	Women in America
HI 127	Growth of American Civilization I: Colonial Period -- Reconstruction
HI 128	Growth of American Civilization II: Reconstruction to the Present
HI 129	Recent American Civilization
HI 135	History of New York State
HI 136	African-American History
PLSC 101	American Government and Politics
SP 211	Speech Communication
Pending Review:	
HE 114	Foundations of Health Promotion and Disease Prevention

<i>Awaiting revision for resubmission:</i>	
PLSC 180	American Foreign Policy (<i>awaiting revision for resubmission</i>)

640

641 **Flexible Core C – Creative Expression (II.C)**

642

AR 310	Introductory Survey of Art
AR 311	History of Art I
AR 312	History of Art II
AR 315	Modern Art
AR 316	American Art
AR 317	History of Photography
AR 320	Contemporary Art
AR 325	History of Graphic Design
AR 326	History of Asian Art
AR 328	History of African Arts
DAN 111	Introduction to the Art of Dance
MU 110	Introduction to Music
MU 120	Survey of Western Music
MU 140	Twentieth-Century Music
MU 141	Jazz: An Introduction
MU 180	Music Around the World
SP 274	Introduction to Electronic Media
SP 275	Media Criticism
SP 321	Oral Performance for the Actor and Speaker
SP 471	American Film History I
SP 472	American Film History II
TH 111	Introduction to Theatre
TH 120	Acting I

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645 **Flexible Core D – Individual and Society (II.D)**

646

ANTH 101	Anthropology
CRIM 101	Introduction to the American Criminal Justice System
CRIM 102	Criminology

ECON 101#	Intro. to Macroeconomics# additional revision required
ECON 102	Intro to Microeconomics
ECON 150	Labor and Management
ECON 160	Contemporary Economics Issues
HI 165	The European Renaissance
HI 185	The Holocaust
PHIL 101	Introduction to Philosophy
PHIL 120	Philosophy of Religion
PHIL 130	Ethics: Theories of the Good Life
PHIL 140	Medical Ethics
PHIL 145	Computers and Ethics
PHIL 165	American Philosophy
PHIL 180	Perspectives on Death and Dying
SOCY 101	Sociology
SOCY 125	Sociology and the Arts
SOCY 185	Introduction to Social Work
SOCY 230	Sociology of the Family
SOCY 240	Racial and Ethnic Relations
SOCY 250	Sociology of Gender
SOCY 275	Media and Society
Sent back for revision but not being resubmitted, as course not offered in recent years:	
PHIL 135	Business Ethics
PHIL 160	Philosophy of Science

647

648 **Rejected for this category:**

649

- 650 • **LS 402, LG 401, LF 401, LS 312, LS 315 (LF 401, LG 401, and LS 402 approved for IIA.)**
- 651 • **ET 821, ET 830, ET 843 (revised and submitted to IIE)**
- 652 • **HE 111**
- 653 • **INTE 212 Critical Thinking About Popular Culture Figures from 1950s-Present Through**
- 654 **Library and Information Studies : Researching the Individual and American Society**
- 655 **(revised, at Curriculum Committee)**

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659 **Flexible Core E - Scientific World (II.E)**

660

<u>Non-STEM</u>		<u>STEM</u>	
BI 115	Intro. to Biology for Science Majors	BI 140	Principles of Biology
BI 120	Evolution and Man	BI 201	General Biology I
CS 100	Intro. to Computers and Program.	BI 301	Anatomy & Physiology I
CH 103	Chemistry and the Arts	BI 520	Public Health Sciences
ET 570	Creating Smart Phone Apps	CH 127	Introductory College Chemistry
ET 575	Intro to C++ Prog. Design & Implem	CH 128	Introductory Organic Chemistry
ET 880	Science & Tech. in Modern Life	CH 151	General Chemistry I
PSYC 101	Psychology	CH 152	General Chemistry II
PSYC 215	Child Development	CH 251	Organic Chemistry I
PSYC 220	Human Growth and Development	CH 252	Organic Chemistry II
PSYC 230	Abnormal Psychology	CS 101	Algorithmic Problem Solving
PSYC 250	Personality	CS 201	Computer Org. & Assembly Lang.
PSYC 255	The Psychology of Women	CS 203	Algorithmic Problem Solving II
PSYC 260	Psych. Disorders of Childhood	GE 101	Physical Geology
PSYC 270	The Psychology of Aging	MA 443	Analytical Geometry & Calculus III
PSYC 290	States of Consciousness	MA 451	Differential Equations
PH 120	Introduction to Meteorology	MA 461	Linear Algebra
PH 123	Natural Hazards	PH 101	Principles of Physics
PH 124	Global Warming		
PH 129	How Things Work	PH 140	Acoustics: The Physics of Sound
<i>Pending Review:</i>		PH 201	General Physics I
BI-110	Fundamentals of life Sciences	PH 202	General Physics II
ET 830	Technology and Society	PH 240	Computerized Physical Measurement Using Graphical Programming
ET 821	Computers in the Modern Society		
ET 843	The Role of Energy in Society		
GE 105	Gems and Semi-Precious Stones	PH 301	College Physics I
HE103	<u>Fundamentals of Human Nutrition</u> (rev.)	PH 302	College Physics II
HE105	Human Sexuality	PH 411	Calculus Physics I
HE 107	Mental Health: Understanding Your Behavior	PH 412	Calculus Physics II
HE108	Health and Physical Fitness	PH 413	Calculus Physics III
PH 125	Energy and Environment	PH 416	Thermodynamics
PH 126	Cause and Effect Analysis	PH 440	Modern Physics
PH 127	Scientific Measurement in Medicine and Health		
PH 128	Science of Dance, Music and Aesthetics		
PH 130	Natural Science in Finance		
PH 131	Scientific Explorations of Science Fiction Literature		

PE 825	Introduction to Exercise Science		
Being revised for submission to this category:			
GE 100	Fundamentals of Earth Science		
GE 125	Earth Science		
Returned for revision, will not be resubmitted:			
BI 357	Bioinformatics/Computational Bio.		
BI 455	Immune System in Health & Disease		
BI 510	Pharmacology		

661

662 *Rejected for this category:*

663

- 664 • *ECON 101 - Macroeconomics, and ECON 102 Microeconomics (revised and submitted to I.L.D.);*
 665 • *PSYC 225- Psychology of Personal Adjustment and PHIL 150 - Logic: The Art of Thinking*
 666 *(these will not be resubmitted at this time.)*

667 Meeting was adjourned at 4:00 pm.

668 Respectfully submitted,

669 Dr. Lana Zinger

670 Secretary, Steering Committee of the Academic Senate

