

## B.A. Music Teaching and Learning – Choral Music

4-Year Academic Pathway

**Music Department** 

## **Degree Requirements**

Total Academic Credits: 134 Major Credits: 109 Min. UL Credits: 45 Min. Cumulative GPA: 2.0 Benchmark requirements are indicated with an \* symbol

## **Curriculum Notes**

- This sample plan assumes no AP/IB/CLEP or transfer credit and foreign language proficiency up to the 201 level
- This major can provide all upper-level (300 or 400) credits toward the 45-total needed to earn a UMBC degree.
- All students must complete a credit-bearing English and Mathematics course in the first year of study
- Students are required to complete an audition to determine eligibility for any music major

For complete information on degree requirements, reference the Undergraduate Course Catalog (catalog.umbc.edu). Your personal program of study may vary.

MUSC 125 - Theory II   3   MUSC 126 - Theory II   2   MUSC 110 & 176 - Musicianship Lab II & Keyboard Skills II   2   MUSC 111 & 177 - Musicianship Lab II & Keyboard Skills II   2   MUSC 111 & 177 - Musicianship Lab II & Keyboard Skills II   2   MUSC 111 & 177 - Musicianship Lab II & Keyboard Skills II   2   MUSC 111 & 177 - Musicianship Lab II & Keyboard Skills II   2   MUSC 111 & 177 - Musicianship Lab II & Keyboard Skills II   2   MUSC 111 & 177 - Musicianship Lab II & Keyboard Skills II   1   MUSC 114 - Teaching MS Choral Singing, PRAC 096 Internship   1   EDUC 311 - Psychological Foundations of Education (SS GEP)   3   MATH GEP   3   MUSC 212 & 178 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 178 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 178 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MUSC 212 & 179 - Musicianship Lab III & Keyboard Skills III   2   MU		FALL SEMESTER		SPRING SEMESTER	
MUSC 110 & 176 - Musicianship Lab I & Keyboard Skills I   2   MUSC 111 & 177 - Musicianship Lab II & Keyboard Skills II   2   MUSC 191 & 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   1   EDUC 311 - Psychological Foundations of Education (SS GEP)   3   MATH GEP   3   MUSC 225 - Theory IV   3   MUSC 210 & 178 - Musicianship Lab III & Keyboard Skills III   2   MUSC 210 & 178 - Musicianship Lab III & Keyboard Skills III   2   MUSC 210 & 178 - Musicianship Lab III & Keyboard Skills III   2   MUSC 210 & 179 - Musicianship Lab IV & Keyboard Skills IV   2   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   4   MUSC 191 & 193 * & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   6		Course	Credits	Course	Credits
MUSC 191 & 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5	ear O	MUSC 125 – Theory I	3	MUSC 126 – Theory II	3
MUSC 191 & 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5		MUSC 110 & 176 – Musicianship Lab I & Keyboard Skills I	2	MUSC 111 & 177 – Musicianship Lab II & Keyboard Skills II	2
MUSC 141 - Teaching MS Choral Singing; PRAC 096 Internship   1   EDUC 311 - Psychological Foundations of Education (SS GEP)   3   3   Total:   15   Total:   17   Total:   18   Total:   17   Total:   18   Total:		MUSC 191 & 193 & 303/304 – Recital Prep & Private Lessons & Ensemble	5	MUSC 191 & 193 & 303/304 – Recital Prep & Private Lessons & Ensemble	5
MUSC 141 - Teaching MS Choral Singing; PRAC 096 Internship   1   EDUC 311 - Psychological Foundations of Education (SS GEP)   3   3   Total:   15   Total:   17   Total:   18   Total:   17   Total:   18   Total:   19   Total:   18   Total:		MUSC 161 – Diction: International Phonetic Alphabet/English/Italian	1	MUSC 143 – Popular Music Pedagogy; PRAC 096 Internship	1
Total:   15		MUSC 141 – Teaching MS Choral Singing; PRAC 096 Internship	1	EDUC 311 – Psychological Foundations of Education (SS GEP)	3
MUSC 225 - Theory III   3   MUSC 226 - Theory IV   3   MUSC 226 - Theory IV   3   MUSC 210 & 178 - Musicianship Lab III & Keyboard Skills III   2   MUSC 211 & 179 - Musicianship Lab IV & Keyboard Skills IV   2   MUSC 193 & 303/304 - Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 193 & 10   Musc 193 & 10		ENGL GEP	3	MATH GEP	3
MUSC 225 - Theory III   3   MUSC 226 - Theory IV   3		Total:	15	Total:	17
MUSC 210 & 178 - Musicianship Lab III & Keyboard Skills III   2   MUSC 211 & 179 - Musicianship Lab IV & Keyboard Skills IV   2   MUSC 193 & 303/304 - Private Lessons & Ensemble   5   MUSC 193 & 303/304 - Private Lessons & Ensemble   5   MUSC 191 & 193* & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193* & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193* & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193* & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193* & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193* & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193* & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193* & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193* & 303/304 - Recital Prep & Private Lessons & Ensemble   5   MUSC 191 & 193*		Course	Credits	Course	Credits
MUSC 142 - Teaching HS Choral Singing; PRAC 096 Internship   1   MUSC 140 - Teaching ES Choral Singing; PRAC 096 Internship   1   EDUC 310 - Inquiry into Education (SS GEP)   3   Foreign Language 201   4   AH GEP (non-music); C GEP   6   Sci non-lab GEP   18   Sci non-lab GEP   18   Total:   19   Total:   18   Total:   19   Total:   18   Total:   18   Total:   19   Total:   18   Total:   18   Total:   18   Total:   19   Total:   18   Total:   19   Total:   18   Total:   19   Total:   1		MUSC 225 – Theory III	3	MUSC 226 – Theory IV	3
MUSC 142 - Teaching HS Choral Singing; PRAC 096 Internship   1   MUSC 140 - Teaching ES Choral Singing; PRAC 096 Internship   1	0,0	MUSC 210 & 178 – Musicianship Lab III & Keyboard Skills III	2	MUSC 211 & 179 – Musicianship Lab IV & Keyboard Skills IV	2
MUSC 142 - Teaching HS Choral Singing; PRAC 096 Internship   1   MUSC 140 - Teaching ES Choral Singing; PRAC 096 Internship   1	ear	MUSC 193 & 303/304 – Private Lessons & Ensemble	4	MUSC 191 & 193* & 303/304 – Recital Prep & Private Lessons & Ensemble	5
EDUC 310 - Inquiry into Education (SS GEP)   3   Foreign Language 201   4		MUSC 142 – Teaching HS Choral Singing; PRAC 096 Internship	1	MUSC 140 – Teaching ES Choral Singing; PRAC 096 Internship	1
Total: 19   Total: 18   19   Total: 18   18   18   18   18   19   Total: 18   18   18   18   18   18   18   18		EDUC 310 – Inquiry into Education (SS GEP)	3	Foreign Language 201	4
MUSC 321 – Music History I (AH GEP)  MUSC 321 – Music History II (AH GEP)  MUSC 390 & 304 – Advanced Private Lessons & Jubilee Singers  MUSC 390 & 304 – Advanced Private Lessons & Jubilee Singers  MUSC 380 – Introduction to Conducting  MUSC 431 – Planning & Instruction in the Choral Music Classroom  EDUC 410 – Teaching Reading in the Content Areas: Part I  BUUC 412 – Analysis of Teaching and Learning  Total:  MUSC 330 – Musics of the World (C GEP)  MUSC 330 – Musics of the World (C GEP)  MUSC 330 – Musics of the World (C GEP)  MUSC 330 – Musics of the World (C GEP)  MUSC 330 – Applications of K-12 Music Methods  EDUC 411 – Teaching Reading in the Content Areas: Part II  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP   Cedits		AH GEP (non-music); C GEP	6	Sci non-lab GEP	3
MUSC 321 – Music History I (AH GEP)  MUSC 390 & 304 – Advanced Private Lessons & Jubilee Singers  MUSC 390 & 304 – Advanced Private Lessons & Jubilee Singers  MUSC 380 – Introduction to Conducting  3 MUSC 385 – Intermediate Conducting  3 MUSC 228 – Choral Arranging  MUSC 238 – Choral Arranging  MUSC 431 – Planning & Instruction in the Choral Music Classroom  EDUC 388 – Inclusion & Instruction  Total:  Total:  17 Total:  17 Total:  18 EDUC 412 – Analysis of Teaching and Learning  MUSC 230 – Musics of the World (C GEP)  MUSC 230 – Musics of the World (C GEP)  MUSC 330 – Musics of the World (C GEP)  MUSC 330 – Musics of the World (C GEP)  MUSC 366 – Vocal Pedagogy  MUSC 37 – Applications of K-12 Music Methods  EDUC 411 – Teaching Reading in the Secondary Schools  MUSC 380 – Secondary Internship Seminar  EDUC 412 – Secondary Internship Seminar  EDUC 413 – Teaching Reading in the Content Areas: Part II  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP   MUSC 321 – Music History II (AH GEP, W)  MUSC 390 – Advanced Private Lessons; Vocal Ensemble  4  MUSC 390 – Advanced Private Lessons; Vocal Ensemble  4  MUSC 390 – Advanced Private Lessons; Vocal Ensemble  4  MUSC 390 – Advanced Private Lessons; Vocal Ensemble  4  MUSC 385 – Intermediate Conducting  3  MUSC 385 – Intermediate Conducting  3  EDUC 411 – Teaching Reading in the Content Areas: Part II  3  EDUC 456 – Student Teaching - 80 days K-12 School]  7  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  1 Sci w/ lab GEP; SS GEP		Total:	19	Total:	18
MUSC 390 & 304 – Advanced Private Lessons & Jubilee Singers  MUSC 380 – Introduction to Conducting  MUSC 380 – Intermediate Conducting  3 MUSC 385 – Intermediate Conducting  3 MUSC 285 – Choral Arranging  3 MUSC 285 – Intermediate Conducting  3 EDUC 432 – Music Program Design & Management  1 MUSC 390 & 304 – Advanced Private Lessons; Vocal Ensemble  4 MUSC 385 – Intermediate Conducting  3 EDUC 432 – Music Program Design & Management  1 MUSC 385 – Intermediate Conducting  3 EDUC 410 – Teaching Reading in the Content Areas: Part I  5 Total:  17 Total:  17 Total:  17 Total:  17 Total:  17 Total:  17 MUSC 230 – Musics of the World (C GEP)  3 EDUC 456 – Student Teaching in the Secondary Schools  10 MUSC 366 – Vocal Pedagogy  3 [Phase 2 Student Teaching – 80 days K-12 School]  4 MUSC 366 – Vocal Pedagogy Internship Seminar  2 EDUC 411 – Teaching Reading in the Content Areas: Part II  5 EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  5 Ci w/ lab GEP; SS GEP  4 MUSC 390 – Advanced Private Lessons; Vocal Ensemble  4 MUSC 390 – Advanced Private Lessons; Vocal Ensemble  4 MUSC 385 – Intermediate Conducting  3 MUSC 385 – Intermediate Conducting  3 EDUC 412 – Radivise Program Design & Management  1 MUSC 385 – Intermediate Conducting  3 EDUC 412 – Radivise Program Design & Management  1 Total:  17 Total:  17 Total:  17 Total:  19 EDUC 411 – Teaching Reading in the Content Areas: Part II  3 EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  10 Sci w/ lab GEP; SS GEP	ear	Course		Course	Credits
MUSC 228 - Choral Arranging  Description  MUSC 431 - Planning & Instruction in the Choral Music Classroom  EDUC 410 - Teaching Reading in the Content Areas: Part I  BUC 388 - Inclusion & Instruction  Total:  Total:  17 Total:  MUSC 230 - Musics of the World (C GEP)  MUSC 230 - Musics of the World (C GEP)  MUSC 435 - Applications of K-12 Music Methods  EDUC 411 - Teaching Reading in the Content Areas: Part II  EDUC 448 - Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP  MUSC 432 - Music Program Design & Management  1  MUSC 432 - Music Program Design & Management  1  3  EDUC 410 - Teaching Reading in the Content Areas: Part I  3  EDUC 412 - Analysis of Teaching and Learning  3  EDUC 456 - Student Teaching in the Secondary Schools  10  MUSC 366 - Vocal Pedagogy  3 [Phase 2 Student Teaching - 80 days K-12 School]  /  EDUC 441 - Teaching Reading in the Content Areas: Part II  3  EDUC 448 - Phrase 1 Internship and Seminar [20 days K-12 School]  1  Sci w/ lab GEP; SS GEP  6		MUSC 321 – Music History I (AH GEP)	3	MUSC 322 – Music History II (AH GEP, WI)	3
MUSC 228 - Choral Arranging  Description  MUSC 431 - Planning & Instruction in the Choral Music Classroom  EDUC 410 - Teaching Reading in the Content Areas: Part I  BUC 388 - Inclusion & Instruction  Total:  Total:  17 Total:  MUSC 230 - Musics of the World (C GEP)  MUSC 230 - Musics of the World (C GEP)  MUSC 435 - Applications of K-12 Music Methods  EDUC 411 - Teaching Reading in the Content Areas: Part II  EDUC 448 - Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP  MUSC 432 - Music Program Design & Management  1  MUSC 432 - Music Program Design & Management  1  3  EDUC 410 - Teaching Reading in the Content Areas: Part I  3  EDUC 412 - Analysis of Teaching and Learning  3  EDUC 456 - Student Teaching in the Secondary Schools  10  MUSC 366 - Vocal Pedagogy  3 [Phase 2 Student Teaching - 80 days K-12 School]  /  EDUC 441 - Teaching Reading in the Content Areas: Part II  3  EDUC 448 - Phrase 1 Internship and Seminar [20 days K-12 School]  1  Sci w/ lab GEP; SS GEP  6		MUSC 390 & 304 – Advanced Private Lessons & Jubilee Singers	4	MUSC 390 – Advanced Private Lessons; Vocal Ensemble	4
MUSC 228 – Choral Arranging  Description  MUSC 431 – Planning & Instruction in the Choral Music Classroom  EDUC 410 – Teaching Reading in the Content Areas: Part I  BUC 388 – Inclusion & Instruction  Total:  Total:  17 Total:  18 EDUC 412 – Analysis of Teaching and Learning  MUSC 230 – Musics of the World (C GEP)  MUSC 230 – Musics of the World (C GEP)  MUSC 435 – Applications of K-12 Music Methods  EDUC 417 – Teaching Reading in the Content Areas: Part II  BUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP  MUSC 432 – Music Program Design & Management  1  MUSC 432 – Music Program Design & Management  1  3  EDUC 410 – Teaching Reading in the Content Areas: Part I  3  EDUC 412 – Analysis of Teaching and Learning  3  EDUC 456 – Student Teaching in the Secondary Schools  10  MUSC 366 – Vocal Pedagogy  3 [Phase 2 Student Teaching – 80 days K-12 School]  //  EDUC 411 – Teaching Reading in the Content Areas: Part II  3  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  1  Sci w/ lab GEP; SS GEP  6		MUSC 380 – Introduction to Conducting	3	MUSC 385 – Intermediate Conducting	3
EDUC 388 – Inclusion & Instruction  EDUC 388 – Inclusion & Instruction  Total:  Total:  Total:  Total:  Total:  Total:  MUSC 230 – Musics of the World (C GEP)  MUSC 366 – Vocal Pedagogy  MUSC 366 – Vocal Pedagogy  MUSC 435 – Applications of K-12 Music Methods  EDUC 457 – Secondary Internship Seminar  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP  EDUC 410 – Teaching Reading in the Content Areas: Part II  Sci w/ lab GEP; SS GEP		MUSC 228 – Choral Arranging	2	MUSC 432 – Music Program Design & Management	1
Total: 17 Total: 17    Course   Course   Credits		MUSC 431 – Planning & Instruction in the Choral Music Classroom	2	EDUC 410 – Teaching Reading in the Content Areas: Part I	3
MUSC 230 – Musics of the World (C GEP)  MUSC 366 – Vocal Pedagogy  MUSC 435 – Applications of K-12 Music Methods  EDUC 411 – Teaching Reading in the Content Areas: Part II  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP  Course  Course  Credits  EDUC 456 – Student Teaching in the Secondary Schools  10  EDUC 457 – Secondary Internship Seminar  2  EDUC 457 – Secondary Internship Seminar  2  Sci w/ lab GEP; SS GEP		EDUC 388 – Inclusion & Instruction	3	EDUC 412 – Analysis of Teaching and Learning	3
MUSC 230 – Musics of the World (C GEP)  3 EDUC 456 – Student Teaching in the Secondary Schools  10  MUSC 366 – Vocal Pedagogy  3 [Phase 2 Student Teaching – 80 days K-12 School]  MUSC 435 – Applications of K-12 Music Methods  5 EDUC 457 – Secondary Internship Seminar  EDUC 411 – Teaching Reading in the Content Areas: Part II  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP  3 EDUC 456 – Student Teaching in the Secondary Schools  //  Secondary Internship Seminar  2 Student Teaching - 80 days K-12 School]  //  Secondary Internship Seminar  2 Secondary Internship Seminar		Total:	17	Total:	17
MUSC 366 – Vocal Pedagogy  MUSC 435 – Applications of K-12 Music Methods  EDUC 411 – Teaching Reading in the Content Areas: Part II  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP  MUSC 366 – Vocal Pedagogy  3 [Phase 2 Student Teaching – 80 days K-12 School]  5 EDUC 457 – Secondary Internship Seminar  2 EDUC 457 – Secondary Internship Seminar  2 EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  5 EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  6	ear	Course		Course	Credits
EDUC 411 – Teaching Reading in the Content Areas: Part II  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP  6		MUSC 230 – Musics of the World (C GEP)	3	EDUC 456 – Student Teaching in the Secondary Schools	10
EDUC 411 – Teaching Reading in the Content Areas: Part II  EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]  Sci w/ lab GEP; SS GEP  6		MUSC 366 – Vocal Pedagogy	3	[Phase 2 Student Teaching – 80 days K-12 School]	/
EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School] 1 Sci w/ lab GEP; SS GEP 6		MUSC 435 – Applications of K-12 Music Methods	3	EDUC 457 – Secondary Internship Seminar	2
EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School] 1 Sci w/ lab GEP; SS GEP 6		EDUC 411 – Teaching Reading in the Content Areas: Part II	3		
		EDUC 448 – Phrase 1 Internship and Seminar [20 days K-12 School]	1		
Total:         19         Total:         12		Sci w/ lab GEP; SS GEP	6		
		Total:	19	Total:	12