



# MUSIC PRODUCING & RECORDING

**"I live by the saying - 'There's no traffic on the extra mile'- and encourage my students to do the same."**

**André Knecht**

*Music Producing & Recording Department Head*

André Knecht's academic and professional background includes Electronic Music studies at Padua University, Italy, and a 7-year stint as a Sound Designer, Recording Engineer, Music Supervisor and composer with the Swiss Broadcasting Company (SSR). In the US, he began a twin-track career in audio engineering and marketing at Warner Bros. Records. Today, he is active as a freelance engineer and producer, as well as a consultant, instructor, beta-tester, and technical editor for book projects in the audio field.

## LEARNING OUTCOMES & OBJECTIVES

The role of the producer varies from project to project, ranging from “lending a trusted pair of additional ears,” to that of a “hands-on factotum,” involved in every single aspect of a musical work. The range of skills to be acquired is therefore necessarily wide. The Music Producing and Recording program at LACM is designed to provide students a comprehensive education that will accomplish the following learning outcomes for its graduates:

### Audio Engineering

Students will have acquired and developed through knowledge and hands-on experience of the proper practical and technical skills needed to be a successful recording engineer and producer.

Students will:

1. Understand and operate analog and digital equipment found in studios
2. Achieve a high degree of proficiency in employing Pro Tools™ (the industry’ standard Digital Audio Workstation). Students are prepared (and can elect) to earn official Avid Pro Tools™ certifications at no extra cost
3. Understand recording session makeup, personnel roles, and studio etiquette
4. Record voices and instruments (from single performers to ensembles) with proper microphone choices and techniques
5. Evaluate and edit recorded performances
6. Use audio processors to solve problems and achieve desired results
7. Understand Mixing techniques, and finished work delivery considerations
8. Understand analog subtractive synthesis and sampling technologies
9. Understand basic post-production techniques and workflows

### Music

Music is the raw material to be molded into successful productions. It follows that a deep understanding of music is paramount to a producer.

Students will:

1. Understand music theory
2. Develop hearing and listening skills to analyze the harmonic makeup of a composition, and ensure proper musical outcomes
3. Understand arranging and write parts for ensembles
4. Analyze scores with ensembles, guide rehearsals, and

conduct performances

5. Acquire basic musicianship skills (Drums, Bass, Guitar, Piano, Vocals) to share ground with musicians and enhance their communication abilities
6. Understand musical genres and their history, equipping them with the necessary frames of reference to successful choice-making

### Producing

Technical and musical abilities must be complemented by the ability to adapt one’s role and be of service to the music and its performers. Ultimately, a producer’s abilities must instill confidence in all participants, a key to success in the studio.

Students are exposed to situations which lead them to acquire the following skills:

1. Lead projects from conception to completion
2. Make appropriate technical and artistic choices to each new circumstance;
3. Direct recording sessions in ways that ensure positive results (i.e. guide and support musicians, choose specific technical interventions by studio staff, etc.), and develop the necessary “people skills.”

### Business

As its name makes perfectly clear, the music business is, first and foremost, a business. A successful career requires knowledge of these aspects.

Students will:

1. Understand business practices, terminologies, and contract
2. Understand and develop business plans
3. Understand the marketing of projects and/or oneself

The skill-set described above equips students with the knowledge to seek employment in a variety of audio-related environments, and the confidence of knowing that he can be a valuable asset to any potential employer.

## PROGRAMS OFFERED

Bachelor of Music Degree (12 Quarters)

Associate of Arts Degree (6 Quarters)

Diploma Program (4 Quarters)

# MUSIC PRODUCING & RECORDING

## Bachelor of Music - Degree Pacing

191.5 Credits

### QUARTER 1

CODE	COURSE	CREDITS
GE-100	English Composition	3
MUS-1000	Applied Theory Lab 1	3
PROD-1000	Pro Tools 101	3
PROD-113	Intro to Signal Processing	3
PROD-114	Drum Private Lesson 1	2
PROD-115	Drums for Producers	1
PROD-120	Production Styles & Genre	2
<b>Total Credits: 17</b>		

### QUARTER 4

CODE	COURSE	CREDITS
GE-306	Physics for Musicians	4
MUS-2000	Applied Theory Lab 4	3
PROD-216	Engineering for Producers 2	4
PROD-220	Private Lesson 1	2
PROD-224	Fundamentals of Audio Mixing 1	2
PROD-226	Producing Other People 1	3
<b>Total Credits: 18</b>		

### QUARTER 2

CODE	COURSE	CREDITS
GE-101	English Composition & Critical Thinking	3
MUS-1001	Applied Theory Lab 2	3
PROD-1001	Pro Tools 110	3
PROD-107	MIDI Production 1	2
PROD-117	Microphone Technology & Technique	1
PROD-121	Producer's Survival Skills	2
PROD-122	Strings for Producers	1
PROD-126	Strings Private Lesson	2
<b>Total Credits: 17</b>		

### QUARTER 5

CODE	COURSE	CREDITS
COMP-100	Songwriting 1	1.5
COMP-207	Music Business for Songwriters 1	2
GE-202	United States History 1890 - 1954	3
MUS-2001	Applied Theory Lab 5	3
PROD-214	Introduction to DJ Techniques	1.5
PROD-221	Private Lesson 2	2
PROD-223	Laws of Parts: Arranging for Producers	1
PROD-227	Producing Other People 2	3
<b>Total Credits: 17</b>		

### QUARTER 3

CODE	COURSE	CREDITS
GE-200	Oral Communication	4
MUS-1002	Applied Theory Lab 3	3
PROD-116	Advanced Signal Processing	3
PROD-118	MIDI Production 2	2
PROD-119	Performance Editing	2
PROD-125	Engineering for Producers 1	4
<b>Total Credits: 18</b>		

### QUARTER 6

CODE	COURSE	CREDITS
COMP-101	Songwriting 2	1.5
COMP-208	Music Business for Songwriters 2	2
GE-403	Fundamentals of Psychology	3
MUS-104	Arranging & Orchestration 1	2
PROD-217	Fundamentals of Synthesis	2
PROD-222	Private Lesson 3	2
PROD-228	Producing Other People 3	3
PROD-230	Logic	3
<b>Total Credits: 18.5</b>		

# MUSIC PRODUCING & RECORDING

## Bachelor of Music - Degree Pacing Continued

191.5 Credits

### QUARTER 7

CODE	COURSE	CREDITS
COMP-301	Music Business for Songwriters 3	2
GE-303	Spanish 1	3
MUS-200	Arranging & Orchestration 2	2
PROD-301	Private Lesson 4	2
PROD-300	Fundamentals of Audio Mixing 2	2
PROD-314	Pro Tools 201	3
<b>Total Credits: 14</b>		

### QUARTER 10

CODE	COURSE	CREDITS
GE-102	Music Money	3
GE-111	Health & Wellness	3
IND-207	Music Supervision	2
MUS-302	Music History: Medieval - Baroque	2
PROD-106	Intro to Working with Picture	2
PROD-123	Vocals for Producers	1
PROD-124	Vocal Private Lesson	2
<b>Total Credits: 15</b>		

### QUARTER 8

CODE	COURSE	CREDITS
COMP-302	Music Business for Songwriters 4	2
GE-301	Music Cultures of the World	3
MUS-201	Arranging & Orchestration 3	2
PROD-218	History of Production 1	1
PROD-338	Fundamentals of Audio Mixing 3	2
PROD-302	Private Lesson 5	2
PROD-315	Pro Tools 210M	3
<b>Total Credits: 15</b>		

### QUARTER 11

CODE	COURSE	CREDITS
ELE-104	Internship Prep	1
GE-402	Political Science: Government & Policy	3
MUS-303	Music History: Classical - 20th Century	2
MUS-416	Conducting	1
PROD-215	Drum Programming & Analysis	2
PROD-225	Music Production with Found Objects	1
PROD-402	Private Lesson 7	2
<b>Total Credits: 12</b>		

### QUARTER 9

CODE	COURSE	CREDITS
GE-305	Statistics: Methods & Applications	4
PROD-219	History of Production 2	1
PROD-303	Private Lesson 6	2
PROD-304	Intro to Post Production	2
PROD-305	Junior Project	3
PROD-306	Ableton Live	3
<b>Total Credits: 15</b>		

### QUARTER 12

CODE	COURSE	CREDITS
GE-302	Philosophy	3
GE-406	Physiology: Architecture of the Human Body	3
PROD-403	Private Lesson 8	2
PROD-405	Senior Project	3
COMP-404	Internship	4
<b>Total Credits: 15</b>		

# MUSIC PRODUCING & RECORDING

## Associate of Arts - Degree Pacing

90.5 Credits

### QUARTER 1

CODE	COURSE	CREDITS
MUS-1000	Applied Theory Lab 1	3
PROD-1000	Pro Tools 101	3
PROD-113	Intro to Signal Processing	3
PROD-114	Drum Private Lesson 1	2
PROD-115	Drums for Producers	1
PROD-120	Production Styles & Genre	2
<b>Total Credits:</b>		<b>14</b>

### QUARTER 4

CODE	COURSE	CREDITS
Elective	Elective	1
MUS-2000	Applied Theory Lab 4	3
PROD-216	Engineering for Producers 2	4
PROD-220	Private Lesson 1	2
PROD-224	Fundamentals of Audio Mixing 1	2
PROD-226	Producing Other People 1	3
<b>Total Credits:</b>		<b>15</b>

### QUARTER 2

CODE	COURSE	CREDITS
MUS-1001	Applied Theory Lab 2	3
PROD-1001	Pro Tools 110	3
PROD-107	MIDI Production 1	2
PROD-117	Microphone Technology & Technique	1
PROD-121	Producer's Survival Skills	2
PROD-122	Strings for Producers	1
PROD-126	Strings Private Lesson	2
<b>Total Credits:</b>		<b>14</b>

### QUARTER 5

CODE	COURSE	CREDITS
Elective	Elective	1
COMP-100	Songwriting 1	1.5
COMP-207	Music Business for Songwriters 1	2
MUS-2001	Applied Theory Lab 5	3
PROD-214	Introduction to DJ Techniques	1.5
PROD-221	Private Lesson 2	2
PROD-223	Laws of Parts: Arranging for Producers	1
PROD-227	Producing Other People 2	3
<b>Total Credits:</b>		<b>15</b>

### QUARTER 3

CODE	COURSE	CREDITS
MUS-1002	Applied Theory Lab 3	3
PROD-116	Advanced Signal Processing	3
PROD-118	MIDI Production 2	2
PROD-119	Performance Editing	2
PROD-123	Vocals for Producers	1
PROD-124	Vocal Private Lesson	2
PROD-125	Engineering for Producers 1	4
<b>Total Credits:</b>		<b>17</b>

### QUARTER 6

CODE	COURSE	CREDITS
COMP-101	Songwriting 2	1.5
COMP-208	Music Business for Songwriters 2	2
MUS-104	Arranging & Orchestration 1	2
PROD-217	Fundamentals of Synthesis	2
PROD-222	Private Lesson 3	2
PROD-228	Producing Other People 3	3
PROD-230	Logic	3
<b>Total Credits:</b>		<b>15.5</b>

# MUSIC PRODUCING & RECORDING

## Diploma - Degree Pacing

60 Credits

### QUARTER 1

CODE	COURSE	CREDITS
MUS-1000	Applied Theory Lab 1	3
PROD-1000	Pro Tools 101	3
PROD-113	Intro to Signal Processing	3
PROD-114	Drum Private Lesson 1	2
PROD-115	Drums for Producers	1
PROD-120	Production Styles & Genre	2

**Total Credits: 14**

### QUARTER 4

CODE	COURSE	CREDITS
Elective	Elective	1
MUS-2000	Applied Theory Lab 4	3
PROD-216	Engineering for Producers 2	4
PROD-220	Private Lesson 1	2
PROD-224	Fundamentals of Audio Mixing 1	2
PROD-226	Producing Other People 1	3

**Total Credits: 15**

### QUARTER 2

CODE	COURSE	CREDITS
MUS-1001	Applied Theory Lab 2	3
PROD-1001	Pro Tools 110	3
PROD-107	MIDI Production 1	2
PROD-117	Microphone Technology & Technique	1
PROD-121	Producer's Survival Skills	2
PROD-122	Strings for Producers	1
PROD-126	Strings Private Lesson	2

**Total Credits: 14**

### QUARTER 3

CODE	COURSE	CREDITS
MUS-1002	Applied Theory Lab 3	3
PROD-116	Advanced Signal Processing	3
PROD-118	MIDI Production 2	2
PROD-119	Performance Editing	2
PROD-123	Vocals for Producers	1
PROD-124	Vocal Private Lesson	2
PROD-125	Engineering for Producers 1	4

**Total Credits: 17**