## Major Highlights

## Program Dashboard

Program Dashboard Percent of Targets Achieved

## Credit Hour Trends

## Degree Trends

## Occupational Projections

## Occupational Skills Analysis

## Program Assessment Plan

Program Assessment Findings

CRC Recommendations

CRC Follow-Up

Music<br>Major Highlights<br>April 2008

## Overview

The information presented in this binder represents supporting reports and data associated with the CRC's review of the Music programs. These documents are intended to provide a historical perspective, as well as an idea of current strengths and future challenges facing the program which may impact short and long term curriculum development.

## Major Highlights

- Over the last two years the composite dashboard score for Music has wavered slightly, falling to 8.45 in 2006-07. Although the dashboard score has remained quite consistent over the last four years, Music is now ranked $83^{\text {rd }}$ of all 99 curriculum at the college and this should be interpreted as an early warning of potential challenges facing the program.
- One out of the seven program dashboard measures exceeded the established benchmark, which was the percent of minority students in MUS courses. Minority student enrollment has remained consistent over the last four years and at $21 \%$ in 2006-07, exceeded the benchmark target score of $18.8 \%$. However, the percent of minority students in Music falls below the college-wide average of $28 \%$.
- On the other hand, two out of the seven program dashboard measures fell below the established benchmarks. These include sections filled to capacity and the percent of withdrawals in MUS courses.
- There has been an inverse relationship between the total capacity in MUS courses and the sections filling to capacity over the last four years. For two consecutive years the total capacity of MUS courses went up significantly and each time resulted in a drop in the percent of sections filled to capacity. For example, in 2006-07 there was a four year low where only $55 \%$ of available seats were filled and was well below the college-wide average of $84 \%$.
- The percent of withdrawals has remained relatively steady over the last four years and has ranged between $19 \%$ and $21 \%$. At $20 \%$ in 2006-07, the percent of withdrawals was above the college-wide average of $18 \%$ and also exceeded the benchmark trouble score of $15 \%$.
- Enrollment trends indicate that after a ten-year low of 1,944 credit hours in 1999-00, there has been a continuous upward trend in the number of credit hours in Music. For seven consecutive years, the number of credit hours has increased and was at 4,754 in 2006-07. During 2006-07, MUS courses ranked 26th in credit hour generation among all curriculum at the college.
- Since the introduction of the four Music programs in 2004-05, there have been a total of three Associate Degrees awarded and no Certificates.
- In terms of employment opportunities, two occupations were identified which pertain to the Music programs. These include Music Directors and Composers and also Musicians and Singers. According to Economic Modeling Specialists Inc. (EMSI), there were approximately 1,400 Music Directors and Composers and 1,700 Musicians and Singers in the four-county region of southeast Michigan in 2007. The growth of these occupations is projected to be quite stagnant over the next five years with a projected number of 78 new jobs between the two career paths and 422 replacement jobs expected.
- Student outcomes assessment plans exist for each of the Music programs. Each plan has three learning outcomes and five to six benchmarks, which is in accordance with the guidelines established by the Student Outcomes Assessment Committee. It is worth noting that each Music assessment plan shares the same first and third Learning Outcomes and Benchmarks, with the second Learning Outcome and Benchmarks varying from plan to plan.
- Between April 2007 and April 2008, there was no indication that assessment of student learning had taken place with regard to the benchmarks outlined in the assessment plans.


## Oakland Community College Program Dashboard

The purpose of the program dashboard is to provide a data driven tool designed for the objective review of all curriculum offerings. Based on a common set of measures which apply to all curriculum the dashboard facilitates the systematic identification of well performing as well as ailing curriculum in order to support short and long range curriculum development.

In a rapidly changing economic and competitive environment it is necessary if not imperative to continually review curriculum offerings annually. Dashboard reports are a useful tool for monitoring program performance. In addition, they allow for an integrated approach for collecting, presenting, and monitoring data to meet long and short-term curriculum decisionmaking needs.

The Program Dashboard is based on seven measures which include:

- Sections Filled to Capacity
- Percent of Sections not Canceled
- Credit Hour Trend Ratio
- Percent of Minority Students
- Percent of Withdrawals
- Percent of Incompletes
- Student Course Completion Rate

The following report provides summative information for the most recent academic year as well as detailed trend data on each measure over the past several years.

## Program Dashboard Detail Report

| Prefix | MUS |
| :--- | :--- |
| Title | Music |


|  | Program |  |  | College Wide |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 0 6 - 0 7}$ | $\mathbf{2 0 0 5 - 0 6}$ | $\mathbf{2 0 0 4 - 0 5}$ | $\mathbf{2 0 0 3 - 0 4}$ | $\mathbf{2 0 0 6 - 0 7}$ |
| Sections Filled to Capacity | $55.1 \%$ | $58.5 \%$ | $65.4 \%$ | $61.5 \%$ | $84.4 \%$ |
| Percent of Sections Not Canceled | $79.5 \%$ | $65.7 \%$ | $76.6 \%$ | $89.5 \%$ | $90.7 \%$ |
| Credit Hour Trend Ratio | 1.07 | 1.09 | 1.13 | 1.14 | 1.01 |
| Percent of Minority Students | $21.2 \%$ | $21.8 \%$ | $21.7 \%$ | $19.5 \%$ | $28.2 \%$ |
| Percent of Withdrawals | $20.3 \%$ | $18.7 \%$ | $18.8 \%$ | $20.9 \%$ | $18.3 \%$ |
| Percent of Incompletes | $0.6 \%$ | $1.3 \%$ | $0.7 \%$ | $1.0 \%$ | $1.5 \%$ |
| Student Course Completion Rate | $66.6 \%$ | $66.9 \%$ | $68.0 \%$ | $66.7 \%$ | $67.7 \%$ |
| Dashboard Score | 8.45 | 8.37 | 8.72 | 8.71 |  |

## Sections Filled to Capacity

| Prefix | MUS |
| :--- | :--- |
| Prefix Title | Music |


|  | $\mathbf{2 0 0 6 - 0 7}$ | $\mathbf{2 0 0 5 - 0 6}$ | $\mathbf{2 0 0 4 - 0 5}$ | $\mathbf{2 0 0 3 - 0 4}$ |
| :--- | :---: | :---: | :---: | :---: |
| Total Students | 1,835 | 1,709 | 1,371 | $\mathbf{1 , 5 0 2}$ |
| Total Capacity | 3,329 | 2,921 | 2,096 | $\mathbf{2 , 4 4 4}$ |
| Sections Filled To Capacity | $55.1 \%$ | $58.5 \%$ | $65.4 \%$ | $61.5 \%$ |

## Definition:

The percent of all available seats which are filled on the terms official census date. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: One-tenth-day of each term.

## Methodology:

Total number of sections (credit courses only) that are filled to their designated capacity e.g. allocated seats divided by the total number of available seats in all sections throughout the academic year (July 1 through June 30). In other words, how many sections are filled to their capacity on the sections $1 / 10$ day out of all sections? Include sections that are more than filled / overflowing in calculation.

One-Tenth Day data shows the capacity filled numbers at approximately 3 weeks after the Fall and Winter terms begin; and 1 week after the Summer I and II terms begin. This data will not provide additional enrollment data if the sections begin after the one-tenth day.

While a section may only have a few students enrolled in it the college is able to designate some sections as 'full' so that they are not cancelled (per OCCFA Master Agreement). Therefore some disciplines may show low fill capacity rates, and the college never cancelled the sections or condense the students into fewer sections offering the same course.

## Percent of Sections Not Canceled

| Prefix $\quad$ MUS |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Prefix Title $\quad$ Music |  |  |  |  |
|  | $\mathbf{2 0 0 6 - 0 7}$ | $\mathbf{2 0 0 5 - 0 6}$ | $\mathbf{2 0 0 4 - 0 5}$ | $\mathbf{2 0 0 3 - 0 4}$ |
| Active Sections | 128 | 117 | 157 | 111 |
| Cancelled Sections | 33 | 61 | 47 | 13 |
| Total Sections | 161 | 178 | 205 | 124 |
| Percent of Completed Sections | $79.5 \%$ | $65.7 \%$ | $76.6 \%$ | $89.5 \%$ |

## Definition:

Of all offered sections, the percent of sections that are completed (not canceled). Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: End of session, after grades are posted.

## Methodology:

Annually, the total number of offered credit sections that are completed. Formula $=$ number of completed credit sections divided by the total number of offered credit sections. In other words, the percent of these sections that are not canceled.

## Credit Hour Trend Ratio

| PrefixMUS  <br> Prefix Title Music |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 0 6 - 0 7}$ | $\mathbf{2 0 0 5 - 0 6}$ | $\mathbf{2 0 0 4 - 0 5}$ | $\mathbf{2 0 0 3 - 0 4}$ |
| Credit Hour Year 1 | 3,921 | 3,386 | $\mathbf{2 , 9 2 3}$ | $\mathbf{2 , 6 9 6}$ |
| Credit Hour Year 2 | 4,207 | 3,921 | 3,386 | 2,923 |
| Credit Hour Year 3 | 4,438 | 4,207 | 3,921 | 3,386 |
| Credit Hour Year 4 | 4,782 | 4,438 | 4,207 | 3,921 |
| Credit Hour Period 1 | 4,189 | 3,838 | 3,410 | 3,002 |
| Credit Hour Period 2 | 4,476 | 4,189 | 3,838 | 3,410 |
| Credit Hour Ratio | 1.07 | 1.09 | 1.13 | 1.14 |

## Definition:

Trend in student credit hours based on a three year rolling average. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: One-tenth-day of each term.

## Methodology:

In order to establish a meaningful enrollment statistic which applies to large as well as small disciplines/programs a "ratio" was calculated based on a three year rolling average of student credit hours.

The formula used to calculate this measure involves three simple steps:
a. Year $1+$ Year $2+$ Year 3/3 $=$ Period 1
b. Year $2+$ Year $3+$ Year $4 / 3=$ Period 2
c. Period 2 / Period $1=$ Ratio

If the ratio is greater than " 1 " this means there has been an enrollment increase. On the other hand, if the ratio is less than " 1 " this translates into an enrollment decline. The larger the number the larger the enrollment increase. Likewise, the lower the number the greater the enrollment decline.

## Percent of Minority Students

| Prefix | MUS |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Prefix Title | Music |  |  |  |
|  |  | $\mathbf{2 0 0 6 - 0 7}$ | $\mathbf{2 0 0 5 - 0 6}$ | $\mathbf{2 0 0 4 - 0 5}$ |
| Minority Students | 320 | 290 | $\mathbf{2 8 8}$ | $\mathbf{2 0 0 3 - 0 4}$ |
| Total Students | 1,512 | 1,330 | 1,329 | 1,318 |
| Percent of Minority Students | $21.2 \%$ | $21.8 \%$ | $21.7 \%$ | $19.5 \%$ |

## Definition:

The percent of students who are minority. Minority status is self-reported by the student and includes: African American, Asian, Hispanic, Native American Indian and Other. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: end of session for each term.

## Methodology:

Percentages are based on known data and exclude missing information.

## Percent of Withdrawals

| Prefix | MUS |
| :--- | :--- |
| Prefix Title | Music |


|  | $\mathbf{2 0 0 6 - 0 7}$ | $\mathbf{2 0 0 5 - 0 6}$ | $\mathbf{2 0 0 4 - 0 5}$ | $\mathbf{2 0 0 3 - 0 4}$ |
| :--- | :---: | :---: | :---: | :---: |
| Total Withdrawals | 360 | 301 | 247 | 270 |
| Total Grades | 1,772 | 1,610 | 1,312 | 1,290 |
| Percent of Withdrawals | $20.3 \%$ | $18.7 \%$ | $18.8 \%$ | $20.9 \%$ |

## Definition:

The percent of students who withdraw from their course after the term begins. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: End of session files, after grades are posted.

## Methodology:

Percent of withdrawals is derived by dividing the total number of student initiated withdrawals by the total number of grades and marks awarded throughout the academic year. The Withdrawal-Passing (WP), and Withdrawal-Failing (WF) are considered Withdrawals (W). Meanwhile, calculations exclude: Audit (AU), Not Attended (N), and Not Reported (NR).

## Percent of Incompletes

| Prefix MUS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Prefix Title Music |  |  |  |  |
|  | 2005-06 | 2005-06 | 2004-05 | 2003-04 |
| Total Incompletes | 11 | 21 | 9 | 13 |
| Total Grades | 1,772 | 1,610 | 1,312 | 1,290 |
| Percent of Incompletes | 0.6\% | 1.3\% | 0.7\% | 1.0\% |

## Definition:

The percent of students who receive an incomplete in their course. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: End of session files, after grades are posted.

## Methodology:

Percent of incompletes is derived by dividing the total number of incompletes by the total number of grades and marks awarded throughout the academic year. The Continuous Progress (CP) grade is considered an Incomplete (I). Meanwhile, calculations exclude: Audit (AU), Not Attended (N), and Not Reported (NR).

## Student Course Completion Rate

Prefix MUS

Prefix Title Music

## Successful Grades

Total Student Grades
Student Course Completion Rate

| $\mathbf{2 0 0 6 - 0 7}$ | $\mathbf{2 0 0 5 - 0 6}$ |
| :---: | :---: |
| $\mathbf{1 , 1 8 0}$ | 1,077 |
| 1,772 | 1,610 |
| $66.6 \%$ | $66.9 \%$ |

2004-05
892
1,312
68.0\%

2003-04
861
1,290
66.7\%

## Definition:

The percent of students who successfully complete a course with a grade of "C" or higher. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: End of session files, after grades are posted.

## Methodology:

Student success rates are based on end of session data after all grades have been posted. Data includes grades from the entire academic year (Summer II, Fall, Winter, and Summer I). The following grades/marks are excluded from the calculation: Audit (AU), Not Attended (N) and Not Reported (NR).

## Oakland Community College <br> Program Dashboard Percent of Targets Achieved

The following graph and table depict the extent to which each of the seven dashboard measures met established college-wide benchmarks. Benchmarks (targets and trouble scores) are based on historical data and reflect a range within which each measure is expected to perform.

Measures which exceed the established benchmark are depicted in green, while those that fall short of the benchmark are shown in red. This information is useful in identifying areas of excellence, as well as areas of concern. As a consequence, this report can help to identify specific areas which may require additional attention by program staff.

Oakland Community College
Program Dashboard Report 2006-07


# Oakland Community College <br> Program Dashboard Report 2006-07 

Music MUS<br>Dashboard Score: 8.45



Oakland Community College
Ten-Year Trend in Student Credit Hours
Music
1996-97 through 2006-07

|  | $\begin{gathered} \text { 1996-97 } \\ \text { SCH } \end{gathered}$ | $\underset{\text { SCH }}{1997-98}$ | $\begin{gathered} \text { 1998-99 } \\ \text { SCH } \end{gathered}$ | $\underset{\text { SCH }}{1999-00}$ | $\underset{\text { SCH }}{\substack{2000-01}}$ | $\begin{gathered} \text { 2001-02 } \\ \text { SCH } \\ \hline \end{gathered}$ | $\underset{\text { SCH }}{\substack{2002-03}}$ | $\underset{\text { SCH }}{\substack{2003-04}}$ | $\begin{gathered} \text { 2004-05 } \\ \text { SCH } \end{gathered}$ | $\begin{gathered} \text { 2005-06 } \\ \text { SCH } \end{gathered}$ | $\begin{gathered} \text { 2006-07 } \\ \text { SCH } \end{gathered}$ | 5-Year \% Change | 10-Year <br> \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Music | 2,200 | 2,386 | 2,064 | 1,944 | 2,620 | 2,785 | 3,352 | 3,707 | 3,621 | 4,371 | 4,754 | 70.7 | 116.1 |
| College Wide Totals | 443,471 | 431,521 | 440,448 | 438,997 | 453,054 | 447,928 | 478,827 | 468,777 | 472,892 | 487,597 | 493,655 | 10.2 | 11.3 |



Academic Year

Oakland Community College Associate Degrees and Certificates Awarded

Composition/Music Theory Option
1997-98 through 2006-07


| Academic Yr. | Certificates | Associates |
| :--- | :---: | :---: |
| $1997-98$ | 0 | 0 |
| $1998-99$ | 0 | 0 |
| $1999-00$ | 0 | 0 |
| $2000-01$ | 0 | 0 |
| $2001-02$ | 0 | 0 |
| $2002-03$ | 0 | 0 |
| $2003-04$ | 0 | 0 |
| $2004-05$ | 0 | 0 |
| $2005-06$ | 0 | 0 |
| $2006-07$ |  | 1 |

## Associate Degrees and Certificates Awarded

## Music Performance/Instrumentatal Option

1997-98 through 2006-07


| Academic Yr. | Certificates | Associates |
| :--- | :---: | :---: |
| $1997-98$ | 0 | 0 |
| $1998-99$ | 0 | 0 |
| $1999-00$ | 0 | 0 |
| $2000-01$ | 0 | 0 |
| $2001-02$ | 0 | 0 |
| $2002-03$ | 0 | 0 |
| $2003-04$ | 0 | 0 |
| $2004-05$ | 0 | 0 |
| $2005-06$ |  | 1 |
| $2006-07$ |  | 0 |

Oakland Community College

## Associate Degrees and Certificates Awarded

Performance/Vocal Option
1997-98 through 2006-07


| Academic Yr. | Certificates | Associates |
| :--- | :---: | :---: |
| $1997-98$ | 0 | 0 |
| $1998-99$ | 0 | 0 |
| $1999-00$ | 0 | 0 |
| $2000-01$ | 0 | 0 |
| $2001-02$ | 0 | 0 |
| $2002-03$ | 0 | 0 |
| $2003-04$ | 0 | 0 |
| $2004-05$ | 0 | 0 |
| $2005-06$ | 0 | 0 |
| $2006-07$ |  | 1 |

## Occupational Projections

(2007-2012)

The following projections are for those occupations most closely associated with this program based on national and regional sources. However, the extent to which specific OCC programs lead to employment within a given Standard Occupational Code (SOC) is dependent upon the way in which the U.S. Department of Labor groups specific occupations.

Occupational projections are presented at the "Detailed Standard Occupational Code" level as defined by the U.S. Department of Labor.

Although based on sound well tested economic modeling procedures, projections are subject to change based on emerging economic, political and social forces.

These projections reflect the four county region of Oakland, Macomb, Livingston and Wayne counties.
Projections are based on data from 24 major data sources, including the U.S. Department of Commerce, Bureau of Labor Statistics (BLS), Internal Revenue Service (IRS), and Census data. To forecast occupational demand at the county level, BLS data are regionalized and adjusted for emerging technological changes, the age of workers by occupation, and other factors affecting occupational demand.

Occupational forecast data was obtained from EMSI (Economic Modeling Specialists Inc.).

## Music Occupational Projections 2007-2012

| $\begin{aligned} & \text { SOC } \\ & \text { Code } \end{aligned}$ | Description | $\begin{aligned} & 2007 \\ & \text { Jobs } \end{aligned}$ | $\begin{aligned} & 2012 \\ & \text { Jobs } \end{aligned}$ | Change | $\begin{gathered} \text { \% } \\ \text { Change } \end{gathered}$ | New \& Rep. Jobs | \% New \& Rep. | Median Hourly Earnings | Avg Hourly Earnings | Education Level |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 27- \\ & 2041 \\ & 27- \end{aligned}$ | Music directors and composers | 1,429 | 1,456 | 27 | 2\% | 123 | 9\% | \$10.90 | \$14.67 | Degree plus work experience Long-term on-the-job |
| 2042 | Musicians and singers | 1,757 | 1,808 | 51 | 3\% | 377 | 21\% | \$15.36 | \$22.61 | training |
|  |  | 3,186 | 3,264 | 78 | 2\% | 500 | 16\% | \$13.36 | \$19.04 |  |

## SOC Detail Definitions

SOC Code 27-2041
Name Music Directors and Composers
Definition
Conduct, direct, plan, and lead instrumental or vocal performances by musical groups, such as orchestras, choirs, and glee clubs. Include arrangers, composers, choral directors, and orchestrators.

## Examples

Choirmaster, Orchestra Conductor
SOC Code 27-2042
Name Musicians and Singers
Definition
Play one or more musical instruments or entertain by singing songs in recital, in accompaniment, or as a member of an orchestra, band, or other musical group. Musical performers may entertain on-stage, radio, TV, film, video, or record in studios. Exclude "Dancers" (27-2031).

## Examples

Cantor, Church Organist, Instrumentalist

## Occupational Skills Analysis

The following report provides detailed information on the knowledge, skills and abilities required for a given occupation. Consideration of these different competencies and levels of attainment while designing and reviewing curriculum will ensure that students enrolled in our programs are adequately prepared for employment.

In particular this report provides:

Importance of the competency to the occupation (in general terms)

- Not important
- Somewhat important
- Important
- Very important
- Extremely important

Importance of the competency to the occupation (in specific terms).

- 0 to $20=$ not important
- 21 to $40=$ somewhat important
- 41 to $60=$ important
- 61 to $80=$ very important
- 81 to 100 = extremely important

Level of Attainment in the competency required by the occupation:

- Basic $=0$ to 24
- Intermediate $=25$ to 49
- Advanced $=50$ to 74
- Expert $=75$ to 100


## Occupational Description

Write and transcribe musical scores.

Occupational Knowledge

| Knowledge | Importance | tmp (0- Level | Lvi (0-100) |
| :---: | :---: | :---: | :---: |
| Fine Arts | Extremely Important | 100Expert | 93 |
| English Language | Somewhat Important | 29Intermediate | 27 |
| Mathematics | Somewhat Important | 27Basic | 23 |
| Clerical | Not Important | 23Basic | 21 |
| Communications and Media | Not Important | 23 Basic | 21 |
| History and Archeology | Not Important | 8Basic | 10 |
| Foreign Language | Not Important | 4Basic | 10 |
| Computers and Electronics | Not Important | 6Basic |  |
| Education and Training | Not Important | 6Basic | 7 |
| Customer and Personal Service | Not Important | 4Basic | 6 |
| Law and Government | Not Important | 2Basic | 5 |
| Psychology | Not Important | 4Basic |  |
| Telecommunications | Not Important | 4Basic | 5 |
| Physics | Not Important | 6Basic |  |
| Engineering and Technology | Not Important | 4Basic | 4 |
| Biology | Not Important | 2Basic | 2 |
| Design | Not Important | 2Basic | 2 |
| Mechanical | Not Important | 2Basic | 2 |
| Sales and Marketing | Not Important | OBasic | 2 |
| Philosophy and Theology | Not Important | OBasic |  |
| Geography | Not Important | OBasic | 0 |
| Administration and Management | Not Important | OBasic | 0 |
| Transportation | Not Important | 0Basic |  |
| Food Production | Not Important | OBasic | 0 |
| Medicine and Dentistry | Not Important | OBasic | 0 |
| Therapy and Counseling | Not Important | OBasic | 0 |
| Economics and Accounting | Not Important | OBasic | 0 |
| Chemistry | Not Important | OBasic | 0 |
| Public Safety and Security | Not Important | OBasic | 0 |
| Building and Construction | Not Important | OBasic | 0 |
| Personnel and Human Resources | Not Important | OBasic | 0 |
| Sociology and Anthropology | Not Important | OBasic | 0 |
| Production and Processing | Not Important | OBasic | 0 |

Source: O*NET Database 11

| Skill | Importance | $\begin{array}{\|l\|l\|} \hline \operatorname{limp}(0- & \text { Level } \\ \hline \end{array}$ | -vil (0-100) |
| :---: | :---: | :---: | :---: |
| Writing | Important | 56Intermediate | 43 |
| Complex Problem Solving | Important | 54 Intermediate | 41 |
| Reading Comprehension | Somewhat Important | 44 Intermediate | 37 |
| Coordination | Somewhat Important | 46Intermediate | 37 |
| Equipment Selection | Somewhat Important | 40 Intermediate | 36 |
| Monitoring | Somewhat Important | 48 Intermediate | 36 |
| Active Learning | Somewhat Important | 38Intermediate | 33 |
| Judgment and Decision Making | Somewhat Important | 33Intermediate | 32 |
| Active Listening | Somewhat Important | 33Intermediate | 30 |
| Learning Strategies | Somewhat Important | 29Intermediate | 26 |
| Critical Thinking | Somewhat Important | 29Intermediate | 25 |
| Social Perceptiveness | Not Important | 23Intermediate | 25 |
| Operations Analysis | Somewhat Important | 29Intermediate | 25 |
| Speaking | Somewhat Important | 25Basic | 24 |
| Quality Control Analysis | Somewhat Important | 28Basic | 23 |
| Time Management | Somewhat Important | 27Basic | 21 |
| Systems Analysis | Not Important | 24Basic | 21 |
| Mathematics | Somewhat Important | 27Basic | 21 |
| Instructing | Not Important | 19Basic | 17 |
| Operation and Control | Not Important | 15Basic | 17 |
| Systems Evaluation | Not Important | 18Basic | 17 |
| Technology Design | Not Important | 13Basic | 13 |
| Persuasion | Not Important | 8Basic | 12 |
| Management of Personnel Resources | Not Important | 13Basic | 12 |
| Troubleshooting | Not Important | 13Basic | 11 |
| Management of Financial Resources | Not Important | 4Basic | 8 |
| Management of Material Resources | Not Important | 6Basic | 8 |
| Service Orientation | Not Important | 6Basic | 8 |
| Equipment Maintenance | Not Important | 4Basic | 7 |
| Science | Not Important | 8Basic | 7 |
| Programming | Not Important | 4Basic | 6 |
| Negotiation | Not Important | 4Basic | 5 |
| Installation | Not Important | 2Basic | 4 |
| Operation Monitoring | Not Important | 2Basic | 4 |
| Repairing | Not Important | 2Basic | 2 |

Source: O*NET Database 11

Occupational Abilities

| Originality | Very Important | 88Expert | 76 |
| :---: | :---: | :---: | :---: |
| Hearing Sensitivity | Very Important | 88Advanced | 71 |
| Fluency of Ideas | Important | 73Advanced | 64 |
| Written Expression | Important | 65Advanced | 53 |
| Auditory Attention | Important | 70Advanced | 53 |
| Sound Localization | Important | 60Advanced | 51 |
| Written Comprehension | Important | 63Intermediate | 47 |
| Oral Comprehension | Important | 53Intermediate | 41 |
| Oral Expression | Important | 50 Intermediate | 39 |
| Information Ordering | Somewhat Important | 40Intermediate | 36 |
| Deductive Reasoning | Somewhat Important | 43Intermediate | 36 |
| Near Vision | Important | 50 Intermediate | 34 |
| Speech Recognition | Somewhat Important | 33Intermediate | 33 |
| Memorization | Somewhat Important | 43Intermediate | 33 |
| Inductive Reasoning | Somewhat Important | 38 Intermediate | 33 |
| Flexibility of Closure | Somewhat Important | 40Intermediate | 31 |
| Category Flexibility | Somewhat Important | 28 Intermediate | 30 |
| Selective Attention | Somewhat Important | 25 Intermediate | 30 |
| Speed of Closure | Somewhat Important | 30 Intermediate | 29 |
| Visualization | Not Important | 23Intermediate | 26 |
| Problem Sensitivity | Somewhat Important | 25Basic | 24 |
| Speech Clarity | Not Important | 20Basic | 24 |
| Wrist-Finger Speed | Somewhat Important | 30Basic | 23 |
| Number Facility | Somewhat Important | 25Basic | 20 |
| Perceptual Speed | Not Important | 18Basic | 17 |
| Finger Dexterity | Not Important | 18Basic | 14 |
| Trunk Strength | Not Important | 18 Basic | 14 |
| Control Precision | Not Important | 13Basic | 13 |
| Time Sharing | Not Important | 5Basic | 11 |
| Extent Flexibility | Not Important | 10Basic | 10 |
| Far Vision | Not Important | 8Basic | 9 |
| Mathematical Reasoning | Not Important | 5Basic | 9 |
| Gross Body Coordination | Not Important | 8Basic | 7 |
| Arm-Hand Steadiness | Not Important | 5Basic | 7 |
| Visual Color Discrimination | Not Important | 3Basic | 6 |
| Spatial Orientation | Not Important | 3Basic | 6 |
| Peripheral Vision | Not Important | 5Basic | 6 |
| Response Orientation | Not Important | 5Basic | 6 |
| Reaction Time | Not Important | 10Basic | 4 |
| Manual Dexterity | Not Important | OBasic | 4 |
| Speed of Limb Movement | Not Important | 8Basic | 4 |
| Multilimb Coordination | Not Important | 5Basic | 4 |
| Gross Body Equilibrium | Not Important | 3Basic | 4 |
| Stamina | Not Important | 3Basic | 3 |
| Dynamic Flexibility | Not Important | OBasic | 1 |
| Depth Perception | Not Important | OBasic | 1 |
| Night Vision | Not Important | OBasic | 0 |
| Static Strength | Not Important | OBasic | 0 |
| Explosive Strength | Not Important | OBasic | 0 |
| Dynamic Strength | Not Important | OBasic | 0 |
| Glare Sensitivity | Not Important | OBasic | 0 |
| Rate Control | Not Important | OBasic | 0 |

Source: O*NET Database 11

Occupational Skills Report
Music Directors (27-2041.01)
Occupational Description
Direct and conduct instrumental or vocal performances by musical groups, such as orchestras or choirs.

Occupational Knowledge

| Knowledge | Importance | $\operatorname{Imp}(0-$ $100)$$\quad$ Level | Lut (0-100) |
| :---: | :---: | :---: | :---: |
| Fine Arts | Very Important | 83Advanced | 69 |
| Administration and Management | Important | 58Intermediate | 48 |
| Personnel and Human Resources | Important | 58 Intermediate | 48 |
| English Language | Somewhat Important | 46Intermediate | 43 |
| Clerical | Somewhat Important | 25 Intermediate | 26 |
| Communications and Media | Somewhat Important | 25Intermediate | 26 |
| Transportation | Somewhat Important | 25Basic | 24 |
| Mathematics | Somewhat Important | 25Basic | 24 |
| Education and Training | Somewhat Important | 25Basic | 24 |
| Psychology | Somewhat Important | 25Basic | 24 |
| Foreign Language | Somewhat Important | 25Basic | 24 |
| Telecommunications | Not Important | 17Basic | 17 |
| Geography | Not Important | 8Basic | 14 |
| Therapy and Counseling | Not Important | 8Basic | 14 |
| Customer and Personal Service | Not Important | 4Basic | 14 |
| Computers and Electronics | Not Important | 8Basic | 12 |
| History and Archeology | Not Important | 4Basic | 9 |
| Physics | Not Important | 13Basic | 9 |
| Mechanical | Not Important | 8Basic | 9 |
| Economics and Accounting | Not Important | 4Basic | 7 |
| Law and Government | Not Important | 4Basic | 7 |
| Design | Not Important | 4Basic | 7 |
| Building and Construction | Not Important | 4Basic | 7 |
| Sociology and Anthropology | Not Important | 4Basic | 7 |
| Engineering and Technology | Not Important | OBasic | 5 |
| Sales and Marketing | Not Important | 0Basic | 5 |
| Production and Processing | Not Important | OBasic | 2 |
| Food Production | Not Important | OBasic | 0 |
| Medicine and Dentistry | Not Important | 0Basic | 0 |
| Philosophy and Theology | Not Important | OBasic | 0 |
| Chemistry | Not Important | OBasic | 0 |
| Public Safety and Security | Not Important | OBasic | 0 |
| Biology | Not Important | 0Basic | 0 |

Source: O*NET Database 11

| Skill | Importance |  | Lvi (0-100) |
| :---: | :---: | :---: | :---: |
| Coordination | Very Important | 88Advanced | 64 |
| Time Management | Important | 58Advanced | 59 |
| Management of Personnel Resources | Very Important | 75Advanced | 59 |
| Instructing | Very Important | 75Advanced | 57 |
| Monitoring | Very Important | 79Advanced | 57 |
| Speaking | Important | 71Advanced | 55 |
| Learning Strategies | Important | 58Advanced | 52 |
| Reading Comprehension | Important | 58Advanced | 50 |
| Active Listening | Important | 63Advanced | 50 |
| Social Perceptiveness | Important | 50Intermediate | 48 |
| Active Learning | Important | 54 Intermediate | 45 |
| Writing | Somewhat Important | 42Intermediate | 45 |
| Complex Problem Solving | Important | 51 Intermediate | 43 |
| Operations Analysis | Important | 54 Intermediate | 43 |
| Judgment and Decision Making | Important | 54 Intermediate | 40 |
| Critical Thinking | Somewhat Important | 42Intermediate | 38 |
| Systems Analysis | Somewhat Important | 46Intermediate | 37 |
| Mathematics | Somewhat Important | 33Intermediate | 36 |
| Systems Evaluation | Somewhat Important | 38Intermediate | 36 |
| Negotiation | Not Important | 21 Intermediate | 33 |
| Quality Control Analysis | Somewhat Important | 40Intermediate | 33 |
| Management of Material Resources | Somewhat Important | 25Intermediate | 26 |
| Persuasion | Not Important | 17Basic | 24 |
| Equipment Selection | Somewhat Important | 29Basic | 24 |
| Operation and Control | Not Important | 17Basic | 21 |
| Service Orientation | Not Important | 8Basic | 19 |
| Technology Design | Not Important | 17Basic | 14 |
| Management of Financial Resources | Not Important | 13Basic | 12 |
| Installation | Not Important | OBasic | 5 |
| Science | Not Important | 4Basic | 5 |
| Troubleshooting | Not Important | 0Basic | 2 |
| Programming | Not Important | OBasic | 2 |
| Equipment Maintenance | Not Important | OBasic | 2 |
| Repairing | Not Important | OBasic | 0 |
| Operation Monitoring | Not Important | 0Basic | 0 |

Source: O*NET Database 11

| Ability | Importance | 100) (0- Level | Lvi (0-100) |
| :---: | :---: | :---: | :---: |
| Hearing Sensitivity | Very Important | 80Advanced | 74 |
| Sound Localization | Important | 65Advanced | 69 |
| Oral Expression | Very Important | 85Advanced | 69 |
| Originality | Important | 70Advanced | 63 |
| Oral Comprehension | Very Important | 85Advanced | 63 |
| Written Expression | Important | 65Advanced | 57 |
| Auditory Attention | Important | 70Advanced | 57 |
| Written Comprehension | Very Important | 80Advanced | 57 |
| Fluency of Ideas | Important | 50Advanced | 51 |
| Flexibility of Closure | Important | 60Intermediate | 49 |
| Speech Clarity | Important | 55 Intermediate | 46 |
| Speech Recognition | Important | 55 Intermediate | 43 |
| Inductive Reasoning | Somewhat Important | 35Intermediate | 43 |
| Memorization | Important | 65 Intermediate | 40 |
| Deductive Reasoning | Somewhat Important | 30Intermediate | 40 |
| Category Flexibility | Somewhat Important | 30Intermediate | 37 |
| Visualization | Somewhat Important | 30Intermediate | 37 |
| Number Facility | Somewhat Important | 40Intermediate | 37 |
| Near Vision | Important | 50Intermediate | 37 |
| Speed of Closure | Somewhat Important | 45Intermediate | 34 |
| Selective Attention | Somewhat Important | 40Intermediate | 31 |
| Wrist-Finger Speed | Somewhat Important | 40Intermediate | 29 |
| Extent Flexibility | Somewhat Important | 35Intermediate | 29 |
| Problem Sensitivity | Somewhat Important | 25 Intermediate | 29 |
| Information Ordering | Somewhat Important | 25Intermediate | 26 |
| Time Sharing | Somewhat Important | 40Intermediate | 26 |
| Trunk Strength | Not Important | 20 Intermediate | 26 |
| Far Vision | Somewhat Important | 35Basic | 23 |
| Perceptual Speed | Somewhat Important | 30Basic | 23 |
| Spatial Orientation | Somewhat Important | 25Basic | 23 |
| Reaction Time | Somewhat Important | 40Basic | 20 |
| Mathematical Reasoning | Not Important | 20Basic | 20 |
| Multilimb Coordination | Somewhat Important | 35Basic | 20 |
| Depth Perception | Not Important | 10Basic | 20 |
| Response Orientation | Somewhat Important | 40Basic | 20 |
| Manual Dexterity | Somewhat Important | 25Basic | 17 |
| Finger Dexterity | Not Important | 20Basic | 17 |
| Dynamic Flexibility | Not Important | 20Basic | 17 |
| Peripheral Vision | Not Important | 15Basic | 17 |
| Gross Body Coordination | Not Important | 20Basic | 17 |
| Arm-Hand Steadiness | Not Important | 20Basic | 17 |
| Control Precision | Not Important | 5Basic | 14 |
| Static Strength | Not Important | 10Basic | 14 |
| Stamina | Not Important | 10Basic | 9 |
| Speed of Limb Movement | Not Important | 5Basic | 9 |
| Visual Color Discrimination | Not Important | 5Basic | 6 |
| Gross Body Equilibrium | Not Important | 5Basic | 6 |
| Dynamic Strength | Not Important | 5Basic | 6 |
| Glare Sensitivity | Not Important | 5Basic | 6 |
| Rate Control | Not Important | 5Basic | 6 |
| Night Vision | Not Important | 0Basic | 3 |
| Explosive Strength | Not Important | 0Basic | 3 |

Occupational Skills Report
Musicians, Instrumental (27-2042.02)

Occupational Description
Play one or more musical instruments in recital, in accompaniment, or as members of an orchestra, band, or other musical group.

Occupational Knowledge

| Knowledge | Importance | $\operatorname{Imp}(0-$ $100)$$\quad$ Level | Lvi (0-100) |
| :---: | :---: | :---: | :---: |
| Fine Arts | Very Important | 95 Expert | 86 |
| Psychology | Somewhat Important | 40Intermediate | 49 |
| Education and Training | Somewhat Important | 49Intermediate | 46 |
| English Language | Somewhat Important | 46Intermediate | 41 |
| Sociology and Anthropology | Somewhat Important | 25Intermediate | 33 |
| Personnel and Human Resources | Somewhat Important | 27 Intermediate | 27 |
| Mathematics | Somewhat Important | 30Intermediate | 26 |
| Communications and Media | Not Important | 22Basic | 24 |
| Computers and Electronics | Not Important | 14Basic | 22 |
| Foreign Language | Not Important | 23Basic | 22 |
| History and Archeology | Somewhat Important | 26Basic | 22 |
| Transportation | Not Important | 24 Basic | 22 |
| Customer and Personal Service | Not Important | 21 Basic | 14 |
| Philosophy and Theology | Not Important | 9 Basic | 13 |
| Law and Government | Not Important | 13Basic | 13 |
| Administration and Management | Not Important | 16Basic | 12 |
| Production and Processing | Not Important | 14Basic | 12 |
| Engineering and Technology | Not Important | 12Basic | 12 |
| Mechanical | Not Important | 11Basic | 12 |
| Public Safety and Security | Not Important | 11Basic | 10 |
| Therapy and Counseling | Not Important | 7Basic | 10 |
| Geography | Not Important | 6Basic | 8 |
| Medicine and Dentistry | Not Important | 6Basic | 8 |
| Physics | Not Important | 7 Basic | 7 |
| Design | Not Important | 10Basic | 6 |
| Economics and Accounting | Not Important | 9 Basic | 5 |
| Telecommunications | Not Important | 7Basic | 5 |
| Clerical | Not Important | 6Basic | 5 |
| Sales and Marketing | Not Important | 3Basic | 3 |
| Food Production | Not Important | 0Basic |  |
| Chemistry | Not Important | 0Basic | 0 |
| Biology | Not Important | OBasic | 0 |
| Building and Construction | Not Important | 0Basic | 0 |

Source: O*NET Database 11

Occupational Skills

| Skill | Importance | $\begin{array}{\|c\|c\|} \hline \operatorname{Imp}(0- & \text { Level } \\ \hline 100) \end{array}$ | Lvi (0-100) |
| :---: | :---: | :---: | :---: |
| Coordination | Very Important | 79 Expert | 80 |
| Active Listening | Very Important | 85Expert | 77 |
| Monitoring | Important | 69Advanced | 66 |
| Active Learning | Important | 65Advanced | 64 |
| Critical Thinking | Important | 57Advanced | 56 |
| Equipment Selection | Important | 54Advanced | 55 |
| Equipment Maintenance | Important | 58Advanced | 52 |
| Time Management | Important | 56Advanced | 50 |
| Reading Comprehension | Somewhat Important | 42Intermediate | 45 |
| Negotiation | Somewhat Important | 41 Intermediate | 44 |
| Social Perceptiveness | Somewhat Important | 41 Intermediate | 43 |
| Learning Strategies | Somewhat Important | 39Intermediate | 41 |
| Instructing | Somewhat Important | 35Intermediate | 41 |
| Troubleshooting | Somewhat Important | 38Intermediate | 38 |
| Speaking | Somewhat Important | 33Intermediate | 34 |
| Mathematics | Somewhat Important | 38Intermediate | 33 |
| Operation and Control | Somewhat Important | 34Intermediate | 31 |
| Judgment and Decision Making | Somewhat Important | 32Intermediate | 28 |
| Persuasion | Not Important | 19Intermediate | 27 |
| Repairing | Not Important | 20Intermediate | 26 |
| Writing | Not Important | 21 Intermediate | 26 |
| Complex Problem Solving | Not Important | 24 Intermediate | 25 |
| Management of Personnel Resources | Not Important | 22Basic | 24 |
| Quality Control Analysis | Not Important | 15Basic | 17 |
| Installation | Not Important | 16Basic | 17 |
| Management of Material Resources | Not Important | 17Basic | 17 |
| Service Orientation | Not Important | 13Basic | 14 |
| Systems Evaluation | Not Important | 10Basic | 12 |
| Operation Monitoring | Not Important | 9 Basic | 12 |
| Systems Analysis | Not Important | 11 Basic | 12 |
| Operations Analysis | Not Important | 7Basic | 11 |
| Technology Design | Not Important | 3Basic | 7 |
| Management of Financial Resources | Not Important | 5Basic | 5 |
| Science | Not Important | 4Basic | 5 |
| Programming | Not Important | 2Basic | 4 |

Source: O*NET Database 11

| Ability | Importance | $\operatorname{lmp}(0-$ $100)$ | Lvi (0-100) |
| :---: | :---: | :---: | :---: |
| Hearing Sensitivity | Very Important | 78Advanced | 68 |
| Oral Comprehension | Important | 63Advanced | 57 |
| Oral Expression | Important | 63Advanced | 55 |
| Multilimb Coordination | Important | 53Advanced | 54 |
| Auditory Attention | Important | 56Advanced | 52 |
| Information Ordering | Important | 53Advanced | 50 |
| Manual Dexterity | Important | 63Advanced | 50 |
| Originality | Important | 60Advanced | 50 |
| Selective Attention | Important | 60Advanced | 50 |
| Finger Dexterity | Important | 56 Intermediate | 48 |
| Near Vision | Important | 60Intermediate | 48 |
| Arm-Hand Steadiness | Important | 69Intermediate | 48 |
| Written Comprehension | Somewhat Important | 47Intermediate | 46 |
| Wrist-Finger Speed | Somewhat Important | 41/ntermediate | 45 |
| Category Flexibility | Important | 501ntermediate | 45 |
| Written Expression | Somewhat Important | 44Intermediate | 43 |
| Fluency of Ideas | Somewhat Important | 47Intermediate | 43 |
| Speech Recognition | Important | 56Intermediate | 43 |
| Problem Sensitivity | Important | 60Intermediate | 43 |
| Speech Clarity | Important | 56 Intermediate | 43 |
| Time Sharing | Important | 50Intermediate | 43 |
| Deductive Reasoning | Important | 50Intermediate | 41 |
| Flexibility of Closure | Somewhat Important | 47Intermediate | 39 |
| Far Vision | Somewhat Important | 38 Intermediate | 39 |
| Perceptual Speed | Somewhat Important | 41 Intermediate | 39 |
| Visualization | Somewhat Important | 41Intermediate | 39 |
| Inductive Reasoning | Important | 50Intermediate | 39 |
| Speed of Closure | Somewhat Important | 41 Intermediate | 36 |
| Static Strength | Somewhat Important | 35Intermediate | 32 |
| Memorization | Somewhat Important | 35Intermediate | 32 |
| Trunk Strength | Somewhat Important | 28 Intermediate | 30 |
| Dynamic Strength | Somewhat Important | 25Intermediate | 27 |
| Control Precision | Somewhat Important | 28Basic | 21 |
| Extent Flexibility | Not Important | 22 Basic | 20 |
| Visual Color Discrimination | Not Important | 19Basic | 18 |
| Number Facility | Not Important | 22Basic | 18 |
| Gross Body Coordination | Not Important | 16Basic | 18 |
| Stamina | Not Important | 22 Basic | 16 |
| Mathematical Reasoning | Not Important | 19Basic | 16 |
| Gross Body Equilibrium | Not Important | 16Basic | 14 |
| Speed of Limb Movement | Not Important | 10Basic | 11 |
| Sound Localization | Not Important | 13Basic | 9 |
| Reaction Time | Not Important | 10Basic | 7 |
| Depth Perception | Not Important | 10Basic | 5 |
| Response Orientation | Not Important | 6Basic | 5 |
| Night Vision | Not Important | 3Basic | 4 |
| Dynamic Flexibility | Not Important | 3Basic | 2 |
| Rate Control | Not Important | 3Basic | 2 |
| Spatial Orientation | Not Important | OBasic | 0 |
| Peripheral Vision | Not Important | 0 Basic | 0 |
| Explosive Strength | Not Important | OBasic | 0 |
| Glare Sensitivity | Not Important | 0Basic | 0 |

Source: O*NET Database 11

Occupational Description
Sing songs on stage, radio, television, or motion pictures.

## Occupational Knowledge

| Knowledge | Importanca |  | Lvi (0-100) |
| :---: | :---: | :---: | :---: |
| Fine Arts | Very Important | 92Advanced | 69 |
| English Language | Somewhat Important | 38 Intermediate | 31 |
| Communications and Media | Somewhat Important | 29Intermediate | 26 |
| Customer and Personal Service | Not Important | 13Basic | 14 |
| Biology | Not Important | 4Basic | 12 |
| Foreign Language | Not Important | 8Basic | 12 |
| Mathematics | Not Important | 8Basic | 9 |
| Education and Training | Not Important | 8Basic | 9 |
| Telecommunications | Not Important | 8Basic | 9 |
| Physics | Not Important | 8Basic | 5 |
| Psychology | Not Important | OBasic | 5 |
| Transportation | Not Important | OBasic | 2 |
| Philosophy and Theology | Not Important | 4Basic | 2 |
| Therapy and Counseling | Not Important | OBasic | 2 |
| Geography | Not Important | OBasic | 0 |
| Administration and Management | Not Important | OBasic | 0 |
| History and Archeology | Not Important | OBasic | 0 |
| Food Production | Not Important | 0Basic | 0 |
| Medicine and Dentistry | Not Important | 0Basic | 0 |
| Clerical | Not Important | 0Basic | 0 |
| Computers and Electronics | Not Important | OBasic | 0 |
| Economics and Accounting | Not Important | 0Basic | 0 |
| Chemistry | Not Important | 0Basic | 0 |
| Public Safety and Security | Not Important | 0Basic | 0 |
| Engineering and Technology | Not Important | OBasic | 0 |
| Sales and Marketing | Not Important | 0Basic | 0 |
| Law and Government | Not Important | 0Basic | 0 |
| Design | Not Important | 0Basic | 0 |
| Building and Construction | Not Important | 0Basic | 0 |
| Personnel and Human Resources | Not Important | 0Basic | 0 |
| Sociology and Anthropology | Not Important | 0Basic | 0 |
| Mechanical | Not Important | 0Basic | 0 |
| Production and Processing | Not Important | 0Basic | 0 |

Source: O*NET Database 11

| Skill | Importance | $\begin{array}{c\|c} \text { Imp (0- } \\ 100) \end{array} \quad \text { Level }$ | Lvi (0-100) |
| :---: | :---: | :---: | :---: |
| Active Listening | Important | 58Intermediate | 43 |
| Coordination | Important | 63Intermediate | 40 |
| Speaking | Important | 54\|ntermediate | 38 |
| Reading Comprehension | Important | 50Intermediate | 36 |
| Active Learning | Important | 58 Intermediate | 36 |
| Monitoring | Important | 58 Intermediate | 33 |
| Social Perceptiveness | Somewhat Important | 46Intermediate | 31 |
| Complex Problem Solving | Somewhat Important | 25Basic | 24 |
| Learning Strategies | Somewhat Important | 29Basic | 24 |
| Judgment and Decision Making | Not Important | 17Basic | 21 |
| Systems Analysis | Not Important | 20Basic | 20 |
| Time Management | Not Important | 13Basic | 19 |
| Critical Thinking | Not Important | 21 Basic | 19 |
| Quality Control Analysis | Not Important | 19Basic | 18 |
| Writing | Not Important | 13Basic | 17 |
| Mathematics | Not Important | 13Basic | 14 |
| Operations Analysis | Not Important | 13Basic | 12 |
| Systems Evaluation | Not Important | 10Basic | 12 |
| Equipment Selection | Not Important | 17Basic | 9 |
| Instructing | Not Important | 8Basic | 9 |
| Service Orientation | Not Important | 0Basic |  |
| Technology Design | Not Important | 13Basic |  |
| Persuasion | Not Important | 4Basic | 7 |
| Management of Material Resources | Not Important | 4Basic | 7 |
| Troubleshooting | Not Important | 4Basic |  |
| Negotiation | Not Important | 4Basic | 5 |
| Management of Personnel Resources | Not Important | 4Basic | 5 |
| Operation Monitoring | Not Important | 4Basic | 5 |
| Operation and Control | Not Important | 4Basic | 5 |
| Management of Financial Resources | Not Important | OBasic | 2 |
| Equipment Maintenance | Not Important | OBasic | 2 |
| Science | Not Important | OBasic | 2 |
| Repairing | Not Important | 0Basic | 0 |
| Installation | Not Important | OBasic | 0 |
| Programming | Not Important | OBasic | 0 |

[^0]| Ability | Importance | $\operatorname{Imp}(0-$ $100)$ Level | Lvi (0-100) |
| :---: | :---: | :---: | :---: |
| Hearing Sensitivity | Very Important | 85Advanced | 66 |
| Oral Expression | Important | 55Advanced | 54 |
| Speech Clarity | Important | 55Advanced | 51 |
| Auditory Attention | Important | 55Intermediate | 49 |
| Originality | Important | 55Intermediate | 49 |
| Oral Comprehension | Important | 60 Intermediate | 49 |
| Written Comprehension | Important | 60 Intermediate | 49 |
| Memorization | Important | 70Intermediate | 46 |
| Sound Localization | Somewhat Important | 40Intermediate | 34 |
| Selective Attention | Important | 50 Intermediate | 29 |
| Near Vision | Somewhat Important | 40 Intermediate | 29 |
| Written Expression | Somewhat Important | 25Intermediate | 26 |
| Speech Recognition | Somewhat Important | 25Basic | 23 |
| Information Ordering | Not Important | 20Basic | 17 |
| Time Sharing | Somewhat Important | 25Basic | 17 |
| Speed of Closure | Somewhat Important | 30Basic | 17 |
| Trunk Strength | Somewhat Important | 30Basic | 17 |
| Flexibility of Closure | Not Important | 20Basic | 14 |
| Reaction Time | Not Important | 15Basic | 14 |
| Fluency of Ideas | Not Important | 15Basic | 14 |
| Number Facility | Not Important | 10Basic | 14 |
| Gross Body Coordination | Not Important | 20Basic | 14 |
| Stamina | Not Important | 10Basic | 11 |
| Extent Flexibility | Not Important | 15Basic | 11 |
| Deductive Reasoning | Not Important | 15Basic | 11 |
| Gross Body Equilibrium | Not Important | 15Basic | 11 |
| Glare Sensitivity | Not Important | 15Basic | 11 |
| Inductive Reasoning | Not Important | 15Basic | 11 |
| Far Vision | Not Important | 5Basic | 9 |
| Wrist-Finger Speed | Not Important | 5Basic | 9 |
| Category Flexibility | Not Important | 5Basic |  |
| Night Vision | Not Important | 10Basic | 9 |
| Visualization | Not Important | 0Basic | 9 |
| Peripheral Vision | Not Important | 5Basic | 9 |
| Problem Sensitivity | Not Important | 10Basic | 9 |
| Depth Perception | Not Important | 5Basic | 9 |
| Manual Dexterity | Not Important | 5Basic | 6 |
| Perceptual Speed | Not Important | 10Basic | 6 |
| Spatial Orientation | Not Important | OBasic | 6 |
| Mathematical Reasoning | Not Important | 5Basic | 6 |
| Control Precision | Not Important | 5Basic | 6 |
| Multilimb Coordination | Not Important | 5Basic | 6 |
| Response Orientation | Not Important | 10Basic | 6 |
| Rate Control | Not Important | 15Basic | 6 |
| Visual Color Discrimination | Not Important | 5Basic | 3 |
| Dynamic Flexibility | Not Important | 0Basic | 3 |
| Arm-Hand Steadiness | Not Important | 5Basic | 3 |
| Finger Dexterity | Not Important | 0Basic | 0 |
| Speed of Limb Movement | Not Important | OBasic | 0 |
| Static Strength | Not Important | OBasic | 0 |
| Explosive Strength | Not Important | OBasic | 0 |
| Dynamic Strength | Not Important | OBasic | 0 |

Source: O*NET Database 11

## Program Assessment Plan <br> MUS Composition/Music Theory Option

## Statement of Purpose

Associate degree in liberal arts that provides a solid and comprehensive foundation in music, and allows students to continue their studies in music education, theory or composition in a 4 year institution with approximately 2 years of requirements fulfilled.

## Catalog Description

This option prepares the student with the basic skills necessary to continue studies in music education, theory or composition. Students completing the program may either continue their education in a four-year institution with approximately two years of requirements fulfilled, or pursue a career as a private music teacher and/or performer.

## Program Assessment Plan <br> MUS Composition/Music Theory Option

## Learning Outcomes

The students will demonstrate knowledge of the basic skills necessary to continue studies in music education, theory or composition in a 4 year institution.

## Benchmark

1. $75 \%$ of the students will score $\geq \mathrm{C}$ in MUS 1540 .
2. $75 \%$ of the students will score $\geq \mathrm{C}$ in MUS 1550 .

## Assessment Method

Students will be assessed with listening and written tests in MUS 1540 on the lives, styles and works of the major composers from Antiquity to Beethoven. An overall grade will be computed for the course.

Students will be assessed with listening and written tests in MUS 1550 on the lives, styles and works of the major composers from Beethoven to present. An overall grade will be computed for the course.

Timeline
04/2008 grie will be computed for the cours.
3.
4.
5.

## Program Assessment Plan <br> MUS Composition/Music Theory Option

## Learning Outcomes

The students will demonstrate the educational knowledge needed to pursue a career as a private music teacher and/or composer.

## Benchmark

1. $75 \%$ of the students whose concentration is music composition will demonstrate proficiency at $\geq \mathrm{C}$ in writing an original composition.
2. $75 \%$ of the students whose concentration is music theory will demonstrate proficiency at $\geq \mathrm{C}$ in analyzing a composition.
3. $75 \%$ of the students in MUS 2601 will earn a C or better in the course.
4. 
5. 

## Program Assessment Plan <br> MUS Composition/Music Theory Option

## Learning Outcomes

The students will exhibit proficiency with the following: use and analysis of altered chords and non-harmonic tones; enharmonic, phrase, common-chord and chromatic modulations; and chords with added tones.

## Benchmark

1. $75 \%$ of the students will earn a grade of $\geq \mathrm{C}$ in MUS 1650.
2. 
3. 
4. 
5. 

## Program Assessment Plan

## MUS Performance/Instrumental Option

## Statement of Purpose

Associate degree in liberal arts that provides a solid and comprehensive foundation in music, and allows students to continue their studies in music education, theory or composition in a 4 year institution with approximately 2 years of requirements fulfilled.

## Catalog Description

This option prepares the student with the basic skills necessary to continue studies in instrumental performance. Students completing the program may either continue their education in a four-year institution with approximately two years of requirements fulfilled, or pursue a career as a private music teacher and/or performer.

## Program Assessment Plan MUS Performance/Instrumental Option

## Learning Outcomes

The students will demonstrate knowledge of the basic skills necessary to continue studies in music education, theory or composition in a 4 year institution.

## Benchmark

1. $75 \%$ of the students will score $\geq \mathrm{C}$ in MUS 1540 .
2. $75 \%$ of the students will score $\geq \mathrm{C}$ in MUS 1550 .

## Assessment Method

Students will be assessed with listening and written tests in MUS 1540 on the lives, styles and works of the major composers from Antiquity to Beethoven. An overall grade will be computed for the course.

Students will be assessed with listening and written tests in MUS 1550 on the lives, styles and works of the major composers from Beethoven to present. An overall grade will be computed for the course.

Timeline
04/2008
3.
4.
5.

## Program Assessment Plan MUS Performance/Instrumental Option

## Learning Outcomes

The students will demonstrate the educational knowledge needed to pursue a career as a private music teacher and/or performer.

## Benchmark

1. $75 \%$ of the students will demonstrate proficiency at $\geq \mathrm{C}$ in performing their instrument of choice.
2. $75 \%$ of the students in MUS 2601 will earn a C or better in the course.

Assessment Method
The student's performance will be assessed by a threemember jury using a rubric (jury form) in the areas of stage presentation, musicality, technical dexterity, choice of program and styles performed (where applicable).

Students in MUS 2601 will be assessed by the faculty over-seer, using a rubric, on the selection of an appropriate program, performance, technical dexterity and variety of styles performed (where applicable), during the student recital or special project event.

Timeline
04/2008

04/2008
3.
4.
5.

## Program Assessment Plan

## MUS Performance/Instrumental Option

## Learning Outcomes

The students will exhibit proficiency with the following: use and analysis of altered chords and non-harmonic tones; enharmonic, phrase, common-chord and chromatic modulations; and chords with added tones.

## Benchmark

1. $75 \%$ of the students will earn a grade of $\geq \mathrm{C}$ in MUS 1650.
2. 
3. 
4. 
5. 

## Program Assessment Plan

MUS Performance/Vocal Option

## Statement of Purpose

Associate degree in liberal arts that provides a solid and comprehensive foundation in music, and allows students to continue their studies in music education, theory or composition in a 4 year institution with approximately 2 years of requirements fulfilled.

## Catalog Description

This option prepares the student with the basic skills necessary to continue studies in vocal performance. Students completing the program may either continue their education in a four-year institution with approximately two years of requirements fuffilled, or pursue a career as a private music teacher and/or performer.

## Program Assessment Plan

## MUS Performance/Vocal Option

## Learning Outcomes

The students will demonstrate knowledge of the basic skills necessary to continue studies in music education, theory or composition in a 4 year institution.

## Benchmark

1. $75 \%$ of the students will score $\geq \mathrm{C}$ in MUS 1540 .
2. $75 \%$ of the students will score $\geq \mathrm{C}$ in MUS 1550 .

## Assessment Method

Students will be assessed with listening and written tests in MUS 1540 on the lives, styles and works of the major composers from Antiquity to Beethoven. An overall grade will be computed for the course.

Students will be assessed with listening and written tests in MUS 1550 on the lives, styles and works of the major composers from Beethoven to present. An overall grade will be computed for the course.

Timeline
04/2008
3.
4.
5.

## Program Assessment Plan

## MUS Performance/Vocal Option

## Learning Outcomes

The students will demonstrate the educational knowledge needed to pursue a career as a private music teacher and/or performer.

## Benchmark

1. $75 \%$ of the students will demonstrate proficiency at $\geq \mathrm{C}$ in performing as a vocalist.
2. $75 \%$ of the students in MUS 2601 will earn a C or better in the course.

## Assessment Method

The students performance will be assessed by a threemember jury using a rubric (jury form) in the areas of stage presentation, musicality, technical dexterity, choice of program and styles performed (where applicable).

Students in MUS 2601 will be assessed by the faculty over-seer, using a rubric, on the selection of an appropriate program, performance, technical dexterity and variety of styles performed (where applicable), during the student recital or special project event.
3.
4.
5.

## Program Assessment Plan <br> MUS Performance/Vocal Option

## Learning Outcomes

The students will exhibit proficiency with the following: use and analysis of altered chords and non-harmonic tones; enharmonic, phrase, common-chord and chromatic modulations; and chords with added tones.

## Benchmark

1. $75 \%$ of the students will earn a grade of $\geq \mathrm{C}$ in MUS 1650.
2. 
3. 
4. 
5. 

## Program Findings Report MUS Composition/Music Theory Option <br> 4-1-07 to 3-31-08

## Program Findings Report MUS Performance/Instrumental Option <br> 4-1-07 to 3-31-08

## Program Findings Report <br> MUS Performance/Vocal Option

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4-1-07 \text { to } 3-31-08
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# Curriculum Review Committee Recommendations 

## Music Review

May 16, 2008
Faculty Coordinator: Jim Halleman

## Curriculum

- The discipline needs clarification from the Registrar's office regarding duplication of MUS 1585 and MUS 1600 and make necessary changes to the General Education Distribution List.
- Recommend the MUS discipline work with the registrar to acquire appropriate numerical sequencing.
- Consider developing articulation agreements with colleges and universities
- Work with Music dean on increasing enrollment of specialty classes that meet requirements for the MUS program


## Review Concerns

- CRC recommends names, comments and any anecdotal statements are removed from CRC Self-Study report.
- CRC recommends the faculty coordinator to use appropriate CRC template for programs and revised report.
- CRC needs clarification on Dashboard data as the faculty coordinator believes they are inaccurate.
- Review considered incomplete until faculty coordinator presents the revised SelfStudy report


## Completed Music Review

February 6, 2009

## Curriculum

- MUS 1600 (Music/Jazz) is an inactive course. The discipline can work with the Registrar to insure this course is not reactivated due to complication with MUS 1685 (Music History: Jazz)
- The discipline might consider forwarding to the Curriculum Committee and/or CASSC the issue of how course numbers are sequenced. Is this a discipline decision, Registrar's decision or lodged somewhere else in the college? How are numbers distributed? Appropriate sequencing in Music would aid students in determining appropriate plan of study.
- MUS 1560 requires a field trip/outing. It is recommended adding a statement in the course description that this course may require a concert field trip
- Clarification on the Dashboard data was completed and deemed correct


## Needs and Resources

- Sharing of ideas amongst adjunct faculty would support consistency of course work offered.


[^0]:    Source: O*NET Database 11

