

# **ACT Prediction Report**

**CODE: 0142**

**SOUTHERN ARKANSAS UNIVERSITY**

**MAGNOLIA, AR**

**2010-2011 FRESHMEN - SUBGROUP 9 (BASIC SKILLS)**



SOUTHERN ARKANSAS UNIVERSITY  
MAGNOLIA, AR

COLLEGE CODE 0142

SUBGROUP 9 (BASIC SKILLS)

120329

PREDICTION REPORT 2010-2011 FRESHMEN



# ACT Research Services

## PREDICTION RESEARCH SERVICE REPORT

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This report is for your students who were freshmen during the 2010-2011 academic year. Assistance in understanding this report and applying the results on your campus is provided in the publication: "Your College Freshmen: Interpretive Guide to ACT Research Services for Higher Education".

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TABLE H-1 RELATIVE EFFICIENCY OF DIFFERENT ACT INDICES IN PREDICTING COLLEGE GRADES

| COLLEGE GPA | AREA | NCNT | T INDEX<br>R SE-EST |       | H INDEX<br>R SE-EST |       | TH INDEX<br>R SE-EST |       |
|-------------|------|------|---------------------|-------|---------------------|-------|----------------------|-------|
| OVERALL     | 0    | 49   | 0.485               | 0.803 | 0.177               | 0.904 | 0.503                | 0.752 |

NATIONAL MEDIANS FOR ACT INDICES OBTAINED FROM THE 1997-98 PREDICTION RESEARCH SERVICES \*

| COLLEGE GPA     | T INDEX<br>R SE-EST |       | H INDEX<br>R SE-EST |       | TH INDEX<br>R SE-EST |       |
|-----------------|---------------------|-------|---------------------|-------|----------------------|-------|
| ENGLISH         | 0.356               | 0.961 | 0.398               | 0.945 | 0.452                | 0.907 |
| MATHEMATICS     | 0.393               | 1.147 | 0.434               | 1.133 | 0.507                | 1.056 |
| SOCIAL SCIENCE  | 0.452               | 0.980 | 0.456               | 0.988 | 0.532                | 0.911 |
| NATURAL SCIENCE | 0.478               | 0.970 | 0.473               | 0.961 | 0.560                | 0.889 |
| OVERALL         | 0.423               | 0.808 | 0.484               | 0.781 | 0.530                | 0.747 |

\* THESE DATA ARE TAKEN FROM SUMMARY TABLES S-4.1 THROUGH S-4.6

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TABLE H-2 COLLEGE GRADES AND ACADEMIC ABILITIES

| STUDENTS<br>ENROLLED<br>IN | SIZE<br>OF<br>SAMPLE | MEANS       |                              |                 | PCT AT OR BELOW MEAN** |                              |                 | STANDARD DEVIATIONS |                              |                 |
|----------------------------|----------------------|-------------|------------------------------|-----------------|------------------------|------------------------------|-----------------|---------------------|------------------------------|-----------------|
|                            |                      | ACT<br>COMP | AVERAGE<br>OF 4 HS<br>GRADES | COLLEGE<br>GPA* | ACT<br>COMP            | AVERAGE<br>OF 4 HS<br>GRADES | COLLEGE<br>GPA* | ACT<br>COMP         | AVERAGE<br>OF 4 HS<br>GRADES | COLLEGE<br>GPA* |
| OVERALL                    | 49                   | 15.6        | 2.73                         | 2.48            | 1                      | 4                            | 37              | 1.78                | 0.50                         | 0.88            |

\* REFERS TO ENGLISH GPA IN ENGLISH AREA, MATH GPA IN MATH AREA, ETC.

\*\* REFERS TO THE RANKING OF THIS MEAN COMPARED WITH THE MEANS OF ALL SCHOOLS IN  
1997-98 PREDICTION RESEARCH SERVICE



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TABLE H-3 COMPARISON OF COLLEGE GPA'S, LOCAL PREDICTORS, ACT SCORES, AND HS GRADES

| PREDICTOR VARIABLES  | COLLEGE<br>ENGLISH<br>GPA | COLLEGE<br>MATH<br>GPA | COLLEGE<br>SOC SCI<br>GPA | COLLEGE<br>NAT SCI<br>GPA | COLLEGE<br>OVERALL<br>GPA |
|----------------------|---------------------------|------------------------|---------------------------|---------------------------|---------------------------|
| LP 1 -               | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 2 -               | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 3 -               | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 4 -               | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 5 -               | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 1 & ACT (T)       | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 2 & ACT (T)       | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 3 & ACT (T)       | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 4 & ACT (T)       | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 5 & ACT (T)       | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 1 & ACT & HS (TH) | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 2 & ACT & HS (TH) | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 3 & ACT & HS (TH) | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 4 & ACT & HS (TH) | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |
| LP 5 & ACT & HS (TH) | -.----                    | -.----                 | -.----                    | -.----                    | -.----                    |
| N-CT                 | 0                         | 0                      | 0                         | 0                         | 0                         |

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TABLE H-4 DISTRIBUTION OF COLLEGE GRADES BY DIFFERENT MEASURES OF HS ACADEMIC PREPARATION

| STUDENTS WITH CORE PREPARATION* |      |                             |         |         |         |         |                  |                    |
|---------------------------------|------|-----------------------------|---------|---------|---------|---------|------------------|--------------------|
| STUDENTS<br>ENROLLED<br>IN      | NCNT | (% IN COLLEGE GPA INTERVAL) |         |         |         |         | COLLEGE<br>GPA** | AVG<br>ACT<br>COMP |
|                                 |      | 3.5-4.0                     | 2.5-3.4 | 1.5-2.4 | 0.5-1.4 | 0.0-0.4 |                  |                    |
| ENGLISH                         | 0    | 0                           | 0       | 0       | 0       | 0       | 0.00             | 0.0                |
| MATHEMATICS                     | 1    | 0                           | 0       | 0       | 0       | 100     | 0.00             | 21.0               |
| SOCIAL SCIENCE                  | 0    | 0                           | 0       | 0       | 0       | 0       | 0.00             | 0.0                |
| NATURAL SCIENCE                 | 0    | 0                           | 0       | 0       | 0       | 0       | 0.00             | 0.0                |
| OVERALL                         | 32   | 13                          | 47      | 28      | 6       | 6       | 2.51             | 16.2               |

  

| STUDENTS WITHOUT CORE PREPARATION* |      |                             |         |         |         |         |                  |                    |
|------------------------------------|------|-----------------------------|---------|---------|---------|---------|------------------|--------------------|
| STUDENTS<br>ENROLLED<br>IN         | NCNT | (% IN COLLEGE GPA INTERVAL) |         |         |         |         | COLLEGE<br>GPA** | AVG<br>ACT<br>COMP |
|                                    |      | 3.5-4.0                     | 2.5-3.4 | 1.5-2.4 | 0.5-1.4 | 0.0-0.4 |                  |                    |
| ENGLISH                            | 0    | 0                           | 0       | 0       | 0       | 0       | 0.00             | 0.0                |
| MATHEMATICS                        | 0    | 0                           | 0       | 0       | 0       | 0       | 0.00             | 0.0                |
| SOCIAL SCIENCE                     | 1    | 0                           | 0       | 0       | 100     | 0       | 1.00             | 14.0               |
| NATURAL SCIENCE                    | 0    | 0                           | 0       | 0       | 0       | 0       | 0.00             | 0.0                |
| OVERALL                            | 17   | 12                          | 35      | 41      | 12      | 0       | 2.42             | 14.6               |

\* CORE IS DEFINED AS 4 YEARS OF ENGLISH, 3 YEARS OF MATHEMATICS, 3 YEARS OF SOCIAL STUDIES,  
AND 3 YEARS OF NATURAL SCIENCE

\*\* REFERS TO ENGLISH GPA IN ENGLISH AREA, MATH GPA IN MATH AREA, ETC.

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TABLE H-5 2ND YEAR PERSISTERS AND NON-PERSISTERS

| SUBGROUP         | RETURNING 2ND YEAR STUDENTS |            |             |                  |             |            | NON-RETURNING STUDENTS |            |             |                  |             |            |
|------------------|-----------------------------|------------|-------------|------------------|-------------|------------|------------------------|------------|-------------|------------------|-------------|------------|
|                  | <u>CORE</u>                 | <u>OR</u>  | <u>MORE</u> | <u>LESS THAN</u> | <u>CORE</u> |            | <u>CORE</u>            | <u>OR</u>  | <u>MORE</u> | <u>LESS THAN</u> | <u>CORE</u> |            |
|                  | N                           | AVG<br>GPA | AVG<br>ACT  | N                | AVG<br>GPA  | AVG<br>ACT | N                      | AVG<br>GPA | AVG<br>ACT  | N                | AVG<br>GPA  | AVG<br>ACT |
| TOTAL STUDENTS   | 17                          | 2.60       | 15.8        | 7                | 2.57        | 14.9       | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| MEN              | 6                           | 2.27       | 15.8        | 4                | 2.50        | 15.3       | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| WOMEN            | 11                          | 2.78       | 15.7        | 3                | 2.67        | 14.3       | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| BLACK/AFRICAN AM | 15                          | 2.62       | 15.7        | 6                | 2.63        | 14.3       | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| AM IND/ALASKA NT | 0                           | 0.00       | 0.0         | 0                | 0.00        | 0.0        | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| WHITE            | 1                           | 2.70       | 16.0        | 1                | 2.20        | 18.0       | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| HISPANIC/LATINO  | 1                           | 2.20       | 16.0        | 0                | 0.00        | 0.0        | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| ASIAN            | 0                           | 0.00       | 0.0         | 0                | 0.00        | 0.0        | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| N HWN/OTH PAC IS | 0                           | 0.00       | 0.0         | 0                | 0.00        | 0.0        | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| TWO OR MORE RACE | 0                           | 0.00       | 0.0         | 0                | 0.00        | 0.0        | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| PREF NOT TO RESP | 0                           | 0.00       | 0.0         | 0                | 0.00        | 0.0        | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| NO RESPONSE      | 0                           | 0.00       | 0.0         | 0                | 0.00        | 0.0        | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| FIRST CHOICE     | 8                           | 2.61       | 16.0        | 2                | 2.80        | 14.5       | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| SECOND CHOICE    | 1                           | 3.20       | 14.0        | 2                | 2.15        | 14.0       | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| CHOICES 3-6      | 1                           | 3.50       | 16.0        | 0                | 0.00        | 0.0        | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |
| OTHER            | 7                           | 2.37       | 15.7        | 3                | 2.70        | 15.7       | 0                      | 0.00       | 0.0         | 0                | 0.00        | 0.0        |

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TABLE LI - 1.1 ACT NORMS FOR THIS GROUP

| SCORE | ENGLISH<br>F CP | MATH<br>F CP | READING<br>F CP | SCIENCE<br>F CP | COMP<br>F CP | SCORE | ENGLISH<br>F CP | MATH<br>F CP | READING<br>F CP | SCIENCE<br>F CP | COMP<br>F CP |
|-------|-----------------|--------------|-----------------|-----------------|--------------|-------|-----------------|--------------|-----------------|-----------------|--------------|
| 36    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 18    | 3 98            | 4 94         | 5 94            | 9 78            | 4 96         |
| 35    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 17    | 6 92            | 9 86         | 5 84            | 7 59            | 5 88         |
| 34    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 16    | 9 80            | 16 67        | 8 73            | 7 45            | 15 78        |
| 33    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 15    | 6 61            | 9 35         | 6 57            | 8 31            | 11 47        |
| 32    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 14    | 5 49            | 5 16         | 10 45           | 2 14            | 9 24         |
| 31    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 13    | 4 39            | 1 6          | 3 24            | 1 10            | 1 6          |
| 30    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 12    | 5 31            | 2 4          | 2 18            | 1 8             | 1 4          |
| 29    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 11    | 6 20            | 0 1          | 4 14            | 3 6             | 1 2          |
| 28    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 10    | 3 8             | 0 1          | 2 6             | 0 1             | 0 1          |
| 27    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 9     | 0 2             | 0 1          | 0 2             | 0 1             | 0 1          |
| 26    | 0 99            | 0 99         | 0 99            | 0 99            | 0 99         | 8     | 0 2             | 0 1          | 0 2             | 0 1             | 0 1          |
| 25    | 1 99            | 0 99         | 0 99            | 0 99            | 0 99         | 7     | 1 2             | 0 1          | 1 2             | 0 1             | 0 1          |
| 24    | 0 98            | 0 99         | 0 99            | 0 99            | 0 99         | 6     | 0 1             | 0 1          | 0 1             | 0 1             | 0 1          |
| 23    | 0 98            | 0 99         | 0 99            | 0 99            | 0 99         | 5     | 0 1             | 0 1          | 0 1             | 0 1             | 0 1          |
| 22    | 0 98            | 1 99         | 0 99            | 0 99            | 0 99         | 4     | 0 1             | 0 1          | 0 1             | 0 1             | 0 1          |
| 21    | 0 98            | 0 98         | 0 99            | 2 99            | 1 99         | 3     | 0 1             | 0 1          | 0 1             | 0 1             | 0 1          |
| 20    | 0 98            | 2 98         | 2 99            | 6 96            | 1 98         | 2     | 0 1             | 0 1          | 0 1             | 0 1             | 0 1          |
| 19    | 0 98            | 0 94         | 1 96            | 3 84            | 0 96         | 1     | 0 1             | 0 1          | 0 1             | 0 1             | 0 1          |

## PERCENTAGES OF SCORES IN VARIOUS INTERVALS

|       | ENGLISH | MATH | READING | SCIENCE | COMP |
|-------|---------|------|---------|---------|------|
| 27-36 | 0       | 0    | 0       | 0       | 0    |
| 22-26 | 2       | 2    | 0       | 0       | 0    |
| 19-21 | 0       | 4    | 6       | 22      | 4    |
| 1-18  | 98      | 94   | 94      | 78      | 96   |

## MEANS AND STANDARD DEVIATIONS OF ACT SCORES

|                      | ENGLISH | MATH  | READING | SCIENCE | COMP  |
|----------------------|---------|-------|---------|---------|-------|
| MEAN                 | 14.29   | 16.02 | 14.82   | 16.69   | 15.61 |
| S.D.                 | 3.01    | 1.84  | 2.72    | 2.53    | 1.78  |
| NUMBER OF STUDENTS = | 49      |       |         |         |       |

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TABLE LI - 1.2 DISTRIBUTION OF HIGH SCHOOL GRADES IN THIS GROUP

|   | ENGLISH |    |    | MATHEMATICS |    |    | SOC STUDIES |    |    | NAT SCIENCE |    |    | AVERAGE, 4 H.S. GRADES |      |    |    |
|---|---------|----|----|-------------|----|----|-------------|----|----|-------------|----|----|------------------------|------|----|----|
|   | FREQ    | PC | CP | FREQ        | PC | CP | FREQ        | PC | CP | FREQ        | PC | CP | INTERVAL               | FREQ | PC | CP |
| A | 7       | 14 | 99 | 4           | 8  | 99 | 11          | 22 | 99 | 5           | 10 | 99 | (3.5-4.0)              | 2    | 4  | 99 |
| B | 29      | 59 | 86 | 23          | 47 | 92 | 29          | 59 | 78 | 24          | 49 | 90 | (2.5-3.4)              | 36   | 73 | 96 |
| C | 12      | 24 | 27 | 20          | 41 | 45 | 8           | 16 | 18 | 18          | 37 | 41 | (1.5-2.4)              | 11   | 22 | 22 |
| D | 1       | 2  | 2  | 2           | 4  | 4  | 1           | 2  | 2  | 2           | 4  | 4  | (0.5-1.4)              | 0    | 0  | 1  |
| F | 0       | 0  | 1  | 0           | 0  | 1  | 0           | 0  | 1  | 0           | 0  | 1  | (0.0-0.4)              | 0    | 0  | 1  |

## MEANS AND STANDARD DEVIATIONS OF HIGH SCHOOL GRADES

|      | ENGLISH | MATHEMATICS | SOC STUDIES | NAT SCIENCE | AVERAGE, 4 H.S. GRADES |
|------|---------|-------------|-------------|-------------|------------------------|
| MEAN | 2.78    | 2.53        | 3.04        | 2.59        | 2.73                   |
| S.D. | 0.65    | 0.63        | 0.65        | 0.69        | 0.50                   |

NUMBER OF STUDENTS IN THIS GROUP 49

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TABLE LI - 1.3 FREQUENCY DISTRIBUTIONS OF COLLEGE GRADE POINT AVERAGES IN THIS GROUP

| SCORE | ENGLISH<br>F CP | MATH<br>F CP | SOC<br>F CP | SCI<br>F CP | NAT<br>F CP | SCI<br>F CP | OVERALL<br>F CP | SCORE | ENGLISH<br>F CP | MATH<br>F CP | SOC<br>F CP | SCI<br>F CP | NAT<br>F CP | SCI<br>F CP | OVERALL<br>F CP |
|-------|-----------------|--------------|-------------|-------------|-------------|-------------|-----------------|-------|-----------------|--------------|-------------|-------------|-------------|-------------|-----------------|
| 4.0   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 99            | 1.9   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 18            |
| 3.9   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 98            | 1.8   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 18            |
| 3.8   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 98            | 1.7   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 18            |
| 3.7   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 98            | 1.6   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 18            |
| 3.6   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 94            | 1.5   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 16            |
| 3.5   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 90            | 1.4   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 12            |
| 3.4   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 88            | 1.3   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 10            |
| 3.3   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 84            | 1.2   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 10            |
| 3.2   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 5 82            | 1.1   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 10            |
| 3.1   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 71            | 1.0   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 6             |
| 3.0   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 71            | 0.9   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 2.9   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 71            | 0.8   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 2.8   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 7 69            | 0.7   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 2.7   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 55            | 0.6   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 2.6   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 51            | 0.5   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 2.5   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 49            | 0.4   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 2.4   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 45            | 0.3   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 4             |
| 2.3   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 41            | 0.2   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 2             |
| 2.2   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 4 37            | 0.1   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 2             |
| 2.1   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 29            | 0.0   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 2             |
| 2.0   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 5 29            |       |                 |              |             |             |             |             |                 |

PERCENT OF STUDENTS IN VARIOUS GPA INTERVALS MEANS AND STANDARD DEVIATIONS OF COLLEGE GPAS

|         | ENGLISH | MATH | SOC | SCI | NAT | SCI | OVERALL |       | ENGLISH | MATH    | SOC     | SCI     | NAT     | SCI     | OVERALL |
|---------|---------|------|-----|-----|-----|-----|---------|-------|---------|---------|---------|---------|---------|---------|---------|
| 3.5-4.0 | --      | --   | --  | --  | --  | --  | 12      | MEAN  | - . - - | - . - - | - . - - | - . - - | - . - - | - . - - | 2.48    |
| 2.5-3.4 | --      | --   | --  | --  | --  | --  | 43      |       |         |         |         |         |         |         |         |
| 1.5-2.4 | --      | --   | --  | --  | --  | --  | 33      | S.D.  | - . - - | - . - - | - . - - | - . - - | - . - - | - . - - | 0.88    |
| 0.5-1.4 | --      | --   | --  | --  | --  | --  | 8       |       |         |         |         |         |         |         |         |
| 0.0-0.4 | --      | --   | --  | --  | --  | --  | 4       | N-NCT | 0       | 1       | 1       | 0       | 0       | 0       | 49      |

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COLLEGE CODE 0142  
SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 1.4 DISTRIBUTIONS OF PREDICTED G.P.A. (BASED ON T INDEX)

| SCORE                                   | ENGLISH<br>F CP | MATH<br>F CP | SOC<br>F CP | SCI<br>F CP | NAT<br>F CP | SCI<br>F CP | OVERALL<br>F CP | SCORE | ENGLISH<br>F CP | MATH<br>F CP | SOC<br>F CP | SCI<br>F CP | NAT<br>F CP | SCI<br>F CP | OVERALL<br>F CP |
|---|-----------------|--------------|-------------|-------------|-------------|-------------|-----------------|-------|-----------------|--------------|-------------|-------------|-------------|-------------|-----------------|
| ABOVE                                   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 99            | 1.9   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 8             |
| 3.4                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 99            | 1.8   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 3.3                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 99            | 1.7   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 3.2                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 99            | 1.6   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 3.1                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 96            | 1.5   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 4             |
| 3.0                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 3 94            | 1.4   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 4             |
| 2.9                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 3 88            | 1.3   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 2             |
| 2.8                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 6 82            | 1.2   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 2             |
| 2.7                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 3 69            | 1.1   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 2             |
| 2.6                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 63            | 1.0   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 2             |
| 2.5                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 7 59            | 0.9   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.4                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 3 45            | 0.8   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.3                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 4 39            | 0.7   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.2                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 8 31            | 0.6   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.1                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 3 14            | 0.5   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.0                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 8             | BELOW | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| NUMBER OF STUDENTS IN EACH DISTRIBUTION |                 |              |             |             |             |             |                 |       | 0               | 1            | 1           | 0           |             |             | 49              |

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COLLEGE CODE 0142  
SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 1.5 DISTRIBUTIONS OF PREDICTED G.P.A. (BASED ON TH INDEX)

| SCORE                                   | ENGLISH<br>F CP | MATH<br>F CP | SOC<br>F CP | SCI<br>F CP | NAT<br>F CP | SCI<br>F CP | OVERALL<br>F CP | SCORE | ENGLISH<br>F CP | MATH<br>F CP | SOC<br>F CP | SCI<br>F CP | NAT<br>F CP | SCI<br>F CP | OVERALL<br>F CP |
|---|-----------------|--------------|-------------|-------------|-------------|-------------|-----------------|-------|-----------------|--------------|-------------|-------------|-------------|-------------|-----------------|
| ABOVE                                   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 99            | 1.9   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 2             |
| 3.4                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 99            | 1.8   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 2             |
| 3.3                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 99            | 1.7   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 2             |
| 3.2                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 99            | 1.6   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 3.1                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 99            | 1.5   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 3.0                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 99            | 1.4   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.9                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 98            | 1.3   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.8                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 4 98            | 1.2   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.7                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 5 90            | 1.1   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.6                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 11 80           | 1.0   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.5                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 5 57            | 0.9   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.4                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 12 47           | 0.8   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.3                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 5 22            | 0.7   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.2                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 12            | 0.6   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.1                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 2 8             | 0.5   | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| 2.0                                     | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 1 4             | BELOW | - - -           | - - -        | - - -       | - - -       | - - -       | - - -       | 0 1             |
| NUMBER OF STUDENTS IN EACH DISTRIBUTION |                 |              |             |             |             |             |                 |       | 0               | 1            | 1           | 0           |             |             | 49              |



SOUTHERN ARKANSAS UNIVERSITY  
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COLLEGE CODE 0142  
SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 2.1 COMPUTATIONAL TABLE FOR PREDICTING ENGLISH

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NO DATA SUBMITTED FOR ENGLISH

SOUTHERN ARKANSAS UNIVERSITY  
MAGNOLIA, AR

COLLEGE CODE 0142  
SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 2.2 COMPUTATIONAL TABLE FOR PREDICTING MATHEMATICS

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NO DATA SUBMITTED FOR MATHEMATICS

SOUTHERN ARKANSAS UNIVERSITY  
MAGNOLIA, AR

COLLEGE CODE 0142  
SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 2.3 COMPUTATIONAL TABLE FOR PREDICTING SOCIAL SCIENCE

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NO DATA SUBMITTED FOR SOCIAL SCIENCE

SOUTHERN ARKANSAS UNIVERSITY  
MAGNOLIA, AR

COLLEGE CODE 0142  
SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 2.4 COMPUTATIONAL TABLE FOR PREDICTING NATURAL SCIENCE

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NO DATA SUBMITTED FOR NATURAL SCIENCE

SOUTHERN ARKANSAS UNIVERSITY  
MAGNOLIA, AR

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SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 2.5 COMPUTATIONAL TABLE FOR PREDICTING OVERALL

STEP 1. TO PREDICT G.P.A. FROM ACT SCORES,  
ADD THE APPROPRIATE DIGITS FROM FIGURE 1  
TO THE ACT CONSTANT ( 60), THEN MARK OFF  
ONE DECIMAL POSITION.

STEP 2. TO PREDICT G.P.A. FROM HIGH SCHOOL GRADES  
ADD THE APPROPRIATE DIGITS FROM FIGURE 2  
TO THE HIGH SCHOOL CONSTANT ( 24), THEN  
MARK OFF ONE DECIMAL POSITION.

STEP 3. TO OBTAIN THE OPTIMUM ACT INDEX, AVERAGE  
THE TWO PREDICTIONS.

| * * * * * FIGURE 2 * * * * * |     |      |       |       |   |
|------------------------------|-----|------|-------|-------|---|
| * (GRADE) x (REGR. COEF.) *  |     |      |       |       |   |
| * H.S. GRADES                | ENG | MATH | SOC S | NAT S | * |
| * A=4                        | 13  | 3    | -11   | -2    | * |
| * B=3                        | 9   | 2    | -8    | -2    | * |
| * C=2                        | 6   | 2    | -5    | -1    | * |
| * D=1                        | 3   | 1    | -3    | -1    | * |
| * * * * *                    |     |      |       |       |   |

## REGRESSION COEFFICIENTS

|             | B0    | B1     | B2     | B3     | B4     |
|-------------|-------|--------|--------|--------|--------|
| ACT SCORES  | 5.997 | -0.100 | -0.151 | 0.054  | -0.028 |
| H.S. GRADES | 2.356 | 0.314  | 0.081  | -0.264 | -0.060 |

| ----- FIGURE 1 ----- |         |      |               |     |
|----------------------|---------|------|---------------|-----|
| ACT SCORE            | (SCORE) | x    | (REGR. COEF.) |     |
| SCORE                | ENG     | MATH | RDNG          | SCI |
| 36                   | -36     | -54  | 19            | -10 |
| 35                   | -35     | -53  | 19            | -10 |
| 34                   | -34     | -51  | 18            | -10 |
| 33                   | -33     | -50  | 18            | -9  |
| 32                   | -32     | -48  | 17            | -9  |
| 31                   | -31     | -47  | 17            | -9  |
| 30                   | -30     | -45  | 16            | -8  |
| 29                   | -29     | -44  | 16            | -8  |
| 28                   | -28     | -42  | 15            | -8  |
| 27                   | -27     | -41  | 15            | -8  |
| 26                   | -26     | -39  | 14            | -7  |
| 25                   | -25     | -38  | 14            | -7  |
| 24                   | -24     | -36  | 13            | -7  |
| 23                   | -23     | -35  | 12            | -6  |
| 22                   | -22     | -33  | 12            | -6  |
| 21                   | -21     | -32  | 11            | -6  |
| 20                   | -20     | -30  | 11            | -6  |
| 19                   | -19     | -29  | 10            | -5  |
| 18                   | -18     | -27  | 10            | -5  |
| 17                   | -17     | -26  | 9             | -5  |
| 16                   | -16     | -24  | 9             | -5  |
| 15                   | -15     | -23  | 8             | -4  |
| 14                   | -14     | -21  | 8             | -4  |
| 13                   | -13     | -20  | 7             | -4  |
| 12                   | -12     | -18  | 6             | -3  |
| 11                   | -11     | -17  | 6             | -3  |
| 10                   | -10     | -15  | 5             | -3  |
| 9                    | -9      | -14  | 5             | -3  |
| 8                    | -8      | -12  | 4             | -2  |
| 7                    | -7      | -11  | 4             | -2  |
| 6                    | -6      | -9   | 3             | -2  |
| 5                    | -5      | -8   | 3             | -1  |

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TABLE LI - 3.1 G.P.A. EXPECTANCIES IN COLLEGE ENGLISH

| BASED ON TH INDEX, PERCENT EXPECTED TO EARN- |                         |                         |                         |                         | BASED ON T INDEX, PERCENT EXPECTED TO EARN- |                         |                         |                         |                     |
|--|-------------------------|-------------------------|-------------------------|-------------------------|---|-------------------------|-------------------------|-------------------------|---------------------|
| PREDICTED<br>G.P.A.                          | LESS<br>THAN<br>1.0 (D) | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER | LESS<br>THAN<br>1.0 (D)                     | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER | PREDICTED<br>G.P.A. |

NO DATA SUBMITTED FOR ENGLISH

SOUTHERN ARKANSAS UNIVERSITY  
MAGNOLIA, AR

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SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 3.2 G.P.A. EXPECTANCIES IN COLLEGE MATHEMATICS

| BASED ON TH INDEX, PERCENT EXPECTED TO EARN- |                         |                         |                         |                         | BASED ON T INDEX, PERCENT EXPECTED TO EARN- |                         |                         |                         |                     |
|--|-------------------------|-------------------------|-------------------------|-------------------------|---|-------------------------|-------------------------|-------------------------|---------------------|
| PREDICTED<br>G.P.A.                          | LESS<br>THAN<br>1.0 (D) | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER | LESS<br>THAN<br>1.0 (D)                     | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER | PREDICTED<br>G.P.A. |

NO DATA SUBMITTED FOR MATHEMATICS

SOUTHERN ARKANSAS UNIVERSITY  
MAGNOLIA, AR

COLLEGE CODE 0142  
SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 3.3 G.P.A. EXPECTANCIES IN COLLEGE SOCIAL SCIENCE

| BASED ON TH INDEX, PERCENT EXPECTED TO EARN- |                         |                         |                         |                         | BASED ON T INDEX, PERCENT EXPECTED TO EARN- |                         |                         |                         |                         |
|--|-------------------------|-------------------------|-------------------------|-------------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|
| PREDICTED<br>G.P.A.                          | LESS<br>THAN<br>1.0 (D) | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER | PREDICTED<br>G.P.A.                         | LESS<br>THAN<br>1.0 (D) | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER |

NO DATA SUBMITTED FOR SOCIAL SCIENCE



SOUTHERN ARKANSAS UNIVERSITY  
MAGNOLIA, AR

COLLEGE CODE 0142  
SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 3.4 G.P.A. EXPECTANCIES IN COLLEGE NATURAL SCIENCE

| BASED ON TH INDEX, PERCENT EXPECTED TO EARN- |                         |                         |                         |                         | BASED ON T INDEX, PERCENT EXPECTED TO EARN- |                         |                         |                         |                     |
|--|-------------------------|-------------------------|-------------------------|-------------------------|---|-------------------------|-------------------------|-------------------------|---------------------|
| PREDICTED<br>G.P.A.                          | LESS<br>THAN<br>1.0 (D) | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER | LESS<br>THAN<br>1.0 (D)                     | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER | PREDICTED<br>G.P.A. |

NO DATA SUBMITTED FOR NATURAL SCIENCE

SOUTHERN ARKANSAS UNIVERSITY  
MAGNOLIA, ARCOLLEGE CODE 0142  
SUBGROUP - 9 (BASIC SKILLS)

TABLE LI - 3.5 G.P.A. EXPECTANCIES IN COLLEGE OVERALL

BASED ON TH INDEX, PERCENT EXPECTED TO EARN-

BASED ON T INDEX, PERCENT EXPECTED TO EARN-

| PREDICTED<br>G.P.A. | LESS<br>THAN<br>1.0 (D) | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER | PREDICTED<br>G.P.A. | LESS<br>THAN<br>1.0 (D) | LESS<br>THAN<br>2.0 (C) | 2.0 (C)<br>OR<br>HIGHER | 3.0 (B)<br>OR<br>HIGHER | PREDICTED<br>G.P.A. |
|---------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------|
| 3.6                 | 1                       | 2                       | 98                      | 79                      | 3.6                 | 1                       | 2                       | 98                      | 77                      | 3.6                 |
| 3.5                 | 1                       | 2                       | 98                      | 75                      | 3.5                 | 1                       | 3                       | 97                      | 73                      | 3.5                 |
| 3.4                 | 1                       | 3                       | 97                      | 70                      | 3.4                 | 1                       | 4                       | 96                      | 69                      | 3.4                 |
| 3.3                 | 1                       | 4                       | 96                      | 66                      | 3.3                 | 1                       | 5                       | 95                      | 64                      | 3.3                 |
| 3.2                 | 1                       | 5                       | 95                      | 61                      | 3.2                 | 1                       | 7                       | 93                      | 60                      | 3.2                 |
| 3.1                 | 1                       | 7                       | 93                      | 55                      | 3.1                 | 1                       | 9                       | 91                      | 55                      | 3.1                 |
| 3.0                 | 1                       | 9                       | 91                      | 50                      | 3.0                 | 1                       | 11                      | 89                      | 50                      | 3.0                 |
| 2.9                 | 1                       | 12                      | 88                      | 45                      | 2.9                 | 1                       | 13                      | 87                      | 45                      | 2.9                 |
| 2.8                 | 1                       | 14                      | 86                      | 39                      | 2.8                 | 1                       | 16                      | 84                      | 40                      | 2.8                 |
| 2.7                 | 1                       | 18                      | 82                      | 34                      | 2.7                 | 2                       | 19                      | 81                      | 36                      | 2.7                 |
| 2.6                 | 2                       | 21                      | 79                      | 30                      | 2.6                 | 2                       | 23                      | 77                      | 31                      | 2.6                 |
| 2.5                 | 2                       | 25                      | 75                      | 25                      | 2.5                 | 3                       | 27                      | 73                      | 27                      | 2.5                 |
| 2.4                 | 3                       | 30                      | 70                      | 21                      | 2.4                 | 4                       | 31                      | 69                      | 23                      | 2.4                 |
| 2.3                 | 4                       | 34                      | 66                      | 18                      | 2.3                 | 5                       | 36                      | 64                      | 19                      | 2.3                 |
| 2.2                 | 5                       | 39                      | 61                      | 14                      | 2.2                 | 7                       | 40                      | 60                      | 16                      | 2.2                 |
| 2.1                 | 7                       | 45                      | 55                      | 12                      | 2.1                 | 9                       | 45                      | 55                      | 13                      | 2.1                 |
| 2.0                 | 9                       | 50                      | 50                      | 9                       | 2.0                 | 11                      | 50                      | 50                      | 11                      | 2.0                 |
| 1.9                 | 12                      | 55                      | 45                      | 7                       | 1.9                 | 13                      | 55                      | 45                      | 9                       | 1.9                 |
| 1.8                 | 14                      | 61                      | 39                      | 5                       | 1.8                 | 16                      | 60                      | 40                      | 7                       | 1.8                 |
| 1.7                 | 18                      | 66                      | 34                      | 4                       | 1.7                 | 19                      | 64                      | 36                      | 5                       | 1.7                 |
| 1.6                 | 21                      | 70                      | 30                      | 3                       | 1.6                 | 23                      | 69                      | 31                      | 4                       | 1.6                 |
| 1.5                 | 25                      | 75                      | 25                      | 2                       | 1.5                 | 27                      | 73                      | 27                      | 3                       | 1.5                 |
| 1.4                 | 30                      | 79                      | 21                      | 2                       | 1.4                 | 31                      | 77                      | 23                      | 2                       | 1.4                 |
| 1.3                 | 34                      | 82                      | 18                      | 1                       | 1.3                 | 36                      | 81                      | 19                      | 2                       | 1.3                 |
| 1.2                 | 39                      | 86                      | 14                      | 1                       | 1.2                 | 40                      | 84                      | 16                      | 1                       | 1.2                 |
| 1.1                 | 45                      | 88                      | 12                      | 1                       | 1.1                 | 45                      | 87                      | 13                      | 1                       | 1.1                 |
| 1.0                 | 50                      | 91                      | 9                       | 1                       | 1.0                 | 50                      | 89                      | 11                      | 1                       | 1.0                 |

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TABLE T - 1.1 MEANS AND STANDARD DEVIATIONS OF ACT SCORES, H.S. GRADES, AND COLLEGE GRADES

| MEANS FOR STUDENTS ENROLLED IN -                           |                    |                 |                    |                    |                    |
|--|--------------------|-----------------|--------------------|--------------------|--------------------|
|  | COLLEGE<br>ENGLISH | COLLEGE<br>MATH | COLLEGE<br>SOC SCI | COLLEGE<br>NAT SCI | COLLEGE<br>OVERALL |
| ACT ENGLISH TEST   | ---                | ---             | ---                | ---                | 14.3               |
| ACT MATHEMATICS TEST                                       | ---                | ---             | ---                | ---                | 16.0               |
| ACT READING TEST   | ---                | ---             | ---                | ---                | 14.8               |
| ACT SCIENCE TEST   | ---                | ---             | ---                | ---                | 16.7               |
| H.S. ENGLISH GRADE   | ---                | ---             | ---                | ---                | 2.8                |
| H.S. MATHEMATICS GRADE                                     | ---                | ---             | ---                | ---                | 2.5                |
| H.S. SOCIAL STUDIES GRADE                                  | ---                | ---             | ---                | ---                | 3.0                |
| H.S. NATURAL SCIENCE GRADE                                 | ---                | ---             | ---                | ---                | 2.6                |
| ACT COMPOSITE  | ---                | ---             | ---                | ---                | 15.6               |
| AVERAGE, 4 H.S. GRADES                                     | ---                | ---             | ---                | ---                | 2.7                |
| COLLEGE G.P.A.*  | ---                | ---             | ---                | ---                | 2.5                |
| STANDARD DEVIATIONS FOR STUDENTS ENROLLED IN ABOVE COURSES |                    |                 |                    |                    |                    |
| ACT ENGLISH TEST   | ---                | ---             | ---                | ---                | 3.01               |
| ACT MATHEMATICS TEST                                       | ---                | ---             | ---                | ---                | 1.84               |
| ACT READING TEST   | ---                | ---             | ---                | ---                | 2.72               |
| ACT SCIENCE TEST   | ---                | ---             | ---                | ---                | 2.53               |
| H.S. ENGLISH GRADE   | ---                | ---             | ---                | ---                | 0.65               |
| H.S. MATHEMATICS GRADE                                     | ---                | ---             | ---                | ---                | 0.63               |
| H.S. SOCIAL STUDIES GRADE                                  | ---                | ---             | ---                | ---                | 0.65               |
| H.S. NATURAL SCIENCE GRADE                                 | ---                | ---             | ---                | ---                | 0.69               |
| ACT COMPOSITE  | ---                | ---             | ---                | ---                | 1.78               |
| AVERAGE, 4 H.S. GRADES                                     | ---                | ---             | ---                | ---                | 0.50               |
| COLLEGE G.P.A.*  | ---                | ---             | ---                | ---                | 0.88               |
| NUMBER OF STUDENTS   | 0                  | 1               | 1                  | 0                  | 49                 |

\* REFERS TO ENGLISH GPA IN ENGLISH AREA, MATH GPA IN MATH AREA, ETC.

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TABLE T - 1.2 INTERCORRELATIONS OF ACT SCORES AND H.S. GRADES

|                            | ACT M | ACT R | ACT S | ACT C | HS E   | HS M   | HS S   | HS N   | HS AV  |
|----------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| ACT ENGLISH                | 0.235 | 0.456 | 0.347 | 0.780 | 0.006  | 0.130  | -0.030 | 0.179  | 0.094  |
| ACT MATHEMATICS            |       | 0.366 | 0.198 | 0.550 | 0.038  | -0.072 | 0.164  | 0.008  | 0.046  |
| ACT READING                |       |       | 0.239 | 0.726 | 0.023  | -0.015 | -0.069 | 0.066  | 0.003  |
| ACT SCIENCE                |       |       |       | 0.657 | -0.145 | 0.087  | -0.235 | -0.072 | -0.121 |
| (ACT COMPOSITE)            |       |       |       |       | -0.025 | 0.055  | -0.049 | 0.061  | 0.014  |
| H.S. ENGLISH               |       |       |       |       |        | 0.375  | 0.722  | 0.546  | 0.863  |
| H.S. MATHEMATICS           |       |       |       |       |        |        | 0.163  | 0.497  | 0.657  |
| H.S. SOCIAL STUDIES        |       |       |       |       |        |        |        | 0.384  | 0.741  |
| H.S. NATURAL SCIENCE       |       |       |       |       |        |        |        |        | 0.801  |
| (AVERAGE OF 4 H.S. GRADES) |       |       |       |       |        |        |        |        |        |

NUMBER OF STUDENTS IN THIS ANALYSIS = 49

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TABLE T - 1.3 CORRELATIONS OF ACT SCORES WITH COLLEGE GRADES

| ACT TEST SCORES                     | COLLEGE<br>ENGLISH<br>GPA | COLLEGE<br>MATH<br>GPA | COLLEGE<br>SOC SCI<br>GPA | COLLEGE<br>NAT SCI<br>GPA | COLLEGE<br>OVERALL<br>GPA |
|-------------------------------------|---------------------------|------------------------|---------------------------|---------------------------|---------------------------|
| ENGLISH                             | -.----                    | -.----                 | -.----                    | -.----                    | -0.369                    |
| MATHEMATICS                         | -.----                    | -.----                 | -.----                    | -.----                    | -0.352                    |
| READING                             | -.----                    | -.----                 | -.----                    | -.----                    | -0.125                    |
| SCIENCE                             | -.----                    | -.----                 | -.----                    | -.----                    | -0.223                    |
| (COMPOSITE)                         | -.----                    | -.----                 | -.----                    | -.----                    | -0.394                    |
| MULTIPLE CORRELATION<br>(TESTS 1-4) | -.----                    | -.----                 | -.----                    | -.----                    | 0.485                     |
| STANDARD ERROR OF<br>ESTIMATE       | -.----                    | -.----                 | -.----                    | -.----                    | 0.803                     |
| NUMBER OF STUDENTS                  | 0                         | 1                      | 1                         | 0                         | 49                        |

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TABLE T - 1.4 CORRELATIONS OF HIGH SCHOOL GRADES WITH COLLEGE GRADES

| H.S. GRADES                          | COLLEGE<br>ENGLISH<br>GPA | COLLEGE<br>MATH<br>GPA | COLLEGE<br>SOC SCI<br>GPA | COLLEGE<br>NAT SCI<br>GPA | COLLEGE<br>OVERALL<br>GPA |
|--------------------------------------|---------------------------|------------------------|---------------------------|---------------------------|---------------------------|
| ENGLISH                              | -.----                    | -.----                 | -.----                    | -.----                    | 0.089                     |
| MATHEMATICS                          | -.----                    | -.----                 | -.----                    | -.----                    | 0.090                     |
| SOCIAL STUDIES                       | -.----                    | -.----                 | -.----                    | -.----                    | -0.036                    |
| NATURAL SCIENCE                      | -.----                    | -.----                 | -.----                    | -.----                    | 0.034                     |
| (HIGH SCHOOL AVERAGE)                | -.----                    | -.----                 | -.----                    | -.----                    | 0.057                     |
| MULTIPLE CORRELATION<br>(GRADES 1-4) | -.----                    | -.----                 | -.----                    | -.----                    | 0.177                     |
| STANDARD ERROR OF<br>ESTIMATE        | -.----                    | -.----                 | -.----                    | -.----                    | 0.904                     |
| NUMBER OF STUDENTS                   | 0                         | 1                      | 1                         | 0                         | 49                        |