

NCSEA Basic Education Survey Curriculum Results – Part 2

In our last issue (May 2010), we presented the results of NCSEA's latest survey of educational institutions on which schools offer courses in the proposed educational program, *The Basic Structural Education*. In this issue, we provide a detailed listing of courses offered by each institution responding to the survey.

To review *The Basic Structural Education* outline, please visit the STRUCTURE magazine website (www.STRUCTUREmag.org).

The following is the list of schools which responded to the latest survey.

This table denotes how many classes each school offers for each subject of the recommended curriculum.

A “+ #” would signify that the school requires that number of additional class(es) at the Masters level, or offers that number of additional class(es) as an elective. Schools which are in bold type have the complete recommended curriculum. “*” responses indicate an unchanged program from the 2004/05 survey.

| School | Recommended Curriculum | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------------|--------------|--------------|
| | Analysis | | | Matrix Methods | | | Steel Design | | | Concrete Design | | | Timber Design | | | Masonry Design | | | Dynamic | | | Foundation – Soils | | | Technical Writing | | | |
| | 2 Courses Recommended | | | 1 Course Recommended | | | 2 Courses Recommended | | | 2 Courses Recommended | | | 1 Course Recommended | | | 1 Course Recommended | | | 1 Course Recommended | | | 1 Course Recommended | | | | | | |
| | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | | | | |
| Auburn University | 2 | | 1 | | | 1 | | 1 | +1 | | | 1 | +2 | | | 1 | | | 1 | 1 | | +1 | 1 | 1 | +3 | 1 | | +1 |
| Blue Mountain Community College* | Unchanged program from 2004-2005 survey | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brown University | .5 | | | .5 | | | .5 | | | | | .5 | | | None offered | None offered | .25 | .75 | | 1 | | | | | | | | None offered |
| Bucknell University | 2 | | | | | 1 | | | 1 | | | 2 | None offered | None offered | | | 1 | | | | | | 1 | 1 | | 1 | | |
| California Polytechnic University – S.L.O.* | Unchanged program from 2004-2005 survey | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| California State University – Fresno | 2 | +2 | +2 | | 1 | | 2 | | | | 2 | | | | 1 | | | 1 | | 1 | +1 | 1 | +1 | +1 | 1 | | | |
| California State University – Sacramento | 2 | | +1 | | 1 | +2 | | | 3 | | | 3 | | | 1 | | | 1 | | 1 | 1 | | | +3 | 1 | | | |
| Clemson University | 2 | | | 1 | | 1 | 1 | | 1 | 1 | | 1 | | | 1 | | | 1 | | 1 | | | 1 | 1 | | 1 | | |
| Cornell | 1 | 1 | | 1 | 1 | | 1 | | 1 | 1 | | 3 | | | 1 | None offered | | | 1 | 1 | | | | | | 1 | | |
| Florida Institute of Technology | 2 | | | 1 | +1 | 1 | 2 | | 1 | | | 1 | | | None offered | | | 1 | | 1 | 1 | | | 1 | | | | |
| Georgia Institute of Technology | 1 | +1 | | | 1 | | 1 | +1 | | 1 | +3 | | | 1 | | | 1 | | 2 | | | 4 | | | | | 1 | |
| George Washington University | 2 | | +2 | 2 | +1 | +1 | 1 | 1 | | 1 | 1 | +2 | None offered | None offered | | | 1 | +2 | 3 | +1 | +3 | 1 | | | | | | |
| Gonzaga University | 2 | +1 | | | 1 | 1 | | | 1 | | | | 1 | | | 1 | 1 | | +1 | 2 | | +1 | 1 | | | | | |
| Hofstra University | | | 1 | None offered | | | 1 | None offered | None offered | None offered | | | 1 | None offered | | | 1 | None offered | | | 1 | | | | | 1 | | 1 |
| Howard University | 1 | +1 | | | 1 | 1 | +1 | +1 | 1 | +1 | | None offered | None offered | None offered | None offered | None offered | None offered | 2 | +1 | | | 1 | | | | | | |
| Illinois Institute of Technology | 2 | | | | 1 | 2 | | | 2 | | +1 | | | 1 | | | 1 | | | 2 | 1 | | | | | 2 | | |
| Lawrence Technological University* | Unchanged program from 2004-2005 survey | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Miami University | 1 | | | None offered | | 1 | | | 1 | | | 1 | | | 1 | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered |
| Michigan State University | 1 | | +1 | | | 2 | | | 2 | | | 2 | None offered | None offered | | | 1 | | | 1 | | | 1 | 1 | | | | |
| Michigan Technological University | 1 | +1 | | | 2 | 1 | .5 | .5 | +2 | .5 | 2 | +2 | | | .5 | | | .5 | | 1 | | | 1 | 1 | +2 | | | 1 |
| Milwaukee School of Engineering* | Unchanged program from 2004-2005 survey | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Missouri Western State University | 1 | | | None offered | 1 | | | 1 | | | .5 | | | .5 | | | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered | None offered |
| Montana State University | 2 | | | | 1 | 1 | +2 | | 2 | +1 | | | | 1 | | | 1 | | | 1 | 2 | +1 | | 1 | | | | |

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| School | Recommended Curriculum | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------|-------------------------------|------------------------|----------------------|----|----|-------------------|---|---|
| | Analysis | | | Matrix Methods | | | Steel Design | | | Concrete Design | | | Timber Design | | | Masonry Design | | | Dynamic | | | Foundation – Soils | | | Technical Writing | | |
| | 2 Courses Recommended | | | 1 Course Recommended | | | 2 Courses Recommended | | | 2 Courses Recommended | | | 1 Course Recommended | | | 1 Course Recommended | | | 1 Course Recommended | | | 1 Course Recommended | | | | | |
| | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | Required for a Bachelors Degree | Required for a Masters Degree | Offered as an Elective | | | | | | |
| New Mexico State University | 3 | | +1 | | 1 | | 1 | +1 | | 1 | +1 | | | | 1 | | | 1 | | | 1 | | | 1 | | | |
| Northeastern University | 2 | | | | 1 | | 2 | 1 | +2 | None offered | | | None offered | | | | 1 | +1 | 1 | | +3 | 1 | | | | | |
| Northern Arizona University | 1 | | +1 | | 1 | | 1 | 1 | | | | 1 | | | 1 | | 1 | 1 | | | 2 | | | 1 | | | |
| North Carolina State University | | 1 | +3 | | 2 | +2 | | | 3 | | | 4 | | | 1 | | 1 | | 1 | +2 | | | 9 | | | 1 | |
| Ohio Northern University* | Unchanged program from 2004-2005 survey | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ohio State University | 1 | | +1 | | 1 | | 3 | 1 | +3 | None offered | | | None offered | | | | | 1 | 1 | | +1 | 1 | | | | | |
| Ohio University | 1 | | | 1 | | | 1 | | | 1 | | | 1 | | | 1 | | | 1 | | | 1 | | | 1 | | |
| Oklahoma State University – Architectural Engineering | 2 | | | 1 | +1 | | 2 | +1 | | 2 | +1 | | 1 | | | 1 | 1 | | 2 | | | | | | | | 1 |
| Oklahoma State University – Civil Engineering | 1 | | +6 | | 1 | | 1 | +1 | | 1 | +2 | | | | 1 | | 1 | | | 1 | 1 | +2 | | 1 | | | |
| Oregon State University | 2 | | | 1 | | | 1 | +1 | | 1 | +1 | | 1 | | | | 1 | | 2 | | | 2 | | +1 | 2 | | |
| Portland State University | 2 | | +2 | | 1 | 1 | +2 | 1 | +3 | | | 1 | | | 1 | | 1 | | | 3 | 2 | | +3 | 1 | | | |
| Purdue University | 2 | | | 1 | | | 1 | 1 | +1 | 1 | 1 | +2 | | | .5 | | .5 | 1 | 1 | | 2 | | +1 | 1 | | | |
| Rensselaer | 1 | 2 | | | 2 | | 2 | | | 2 | | | None offered | | | None offered | | | | | 2 | | | 2 | 2 | | |
| Rochester Institute of Technology | 2 | | | None offered | | | 1.5 | | | 1.5 | | | | | 1 | | None offered | 1 | | | 1 | | | 1 | | | |
| Rose Hulman Institute of Technology | 2 | | +2 | | 2 | 1 | +2 | 1 | +2 | | | 2 | | | 1 | | 1 | 1 | | +1 | 1 | | +2 | 2 | | | |
| Saint Martin's University | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| San Francisco State University | 1 | | | None offered | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | None offered | | | | 1 | | 1 | | | 1 | | |
| Santa Clara University* | Unchanged program from 2004-2005 survey | | | | | | | | | | | | | | | | | | | | | | | | | | |
| South Dakota State University | 1 | | +4 | | 1 | | 1 | 1 | +1 | 1 | 1 | +3 | | 1 | | | 1 | | | 1 | | 1 | | +4 | 1 | | |
| Southern Methodist University | 3 | | | | 1 | | .5 | +1 | | .5 | +2 | | None offered | | | None offered | | | 1 | | +2 | 1 | | +2 | 1 | | |
| Stevens Institute of Technology | 2 | | +1 | 1 | | +1 | 2 | | +1 | 1 | | +2 | None offered | | | None offered | | | | | 3 | 1 | | +2 | 2 | | |
| Syracuse University | 2 | +1 | +3 | | 1 | +2 | | 1 | +1 | 1 | 2 | +1 | | | 1 | | 1 | | | 1 | 1 | +2 | 2 | +2 | +1 | 1 | |
| Texas A&M University – College Station | 3 | | +2 | | 1 | 1 | | +2 | | 1 | | +2 | None offered | | | None offered | | | 1 | +1 | +3 | 1 | | +8 | 1 | | |
| Texas A&M University – Kingsville | 3 | | | 1 | +1 | | 1 | +1 | | 1 | +2 | | | | 1 | | 1 | 1 | +1 | | 2 | | | 1 | | | |
| Texas Tech | 1 | | +1 | | 2 | 1 | | +2 | | 2 | | | | | 1 | | 1 | | | 2 | 1 | | +7 | 1 | | | |
| The Citadel* | Unchanged program from 2004-2005 survey | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tri-State University* | Unchanged program from 2004-2005 survey | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tufts University | 1 | +1 | | | 1 | | 1 | 1 | | 1 | 1 | | None offered | | | None offered | | | | 1 | | 1 | 1 | | | | 1 |
| University at Buffalo (SUNY) | 2 | +1 | | | 2 | | 1 | +1 | | 1 | +1 | | | 1 | | | 1 | | 2 | +2 | | 1 | +1 | | 1 | | |
| University of Alabama – Birmingham | 1 | | +1 | | 1 | 1 | | +1 | | 1 | | +1 | | | 1 | | 1 | | | 1 | | | 1 | 1 | 1 | | |
| University of Alaska – Anchorage | 1 | | +1 | None offered | | | 1 | | | 1 | | | | | 1 | | None offered | | | 1 | 2 | | | 1 | | | |
| University of Arkansas | 2 | | | | 1 | 1 | +1 | | | 1 | +4 | | | | 1 | | 1 | | | 1 | 2 | | | 1 | | | |

