Computational Science and Engr (CSE)

CSE Class Schedule (https://courses.illinois.edu/schedule/DEFAULT/DEFAULT/CSE)

Courses

CSE 401 Numerical Analysis credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/401)
Same as CS 450, ECE 491 and MATH 450. See CS 450.

CSE 402 Parallel Programming credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/402)
Same as CS 420 and ECE 492. See CS 420.

CSE 408 Applied Parallel Programming credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/408)
Same as CS 483 and ECE 408. See ECE 408.

CSE 412 Numerical Thermo-Fluid Mechanics credit: 2 to 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/412)
Same as ME 412. See ME 412.

CSE 414 Algorithms credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/414)
Same as CS 473 and MATH 473. See CS 473.

CSE 422 Computer System Organization credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/422)
Same as CS 433. See CS 433.

CSE 423 Operating Systems Design credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/423)
Same as CS 423. See CS 423.

CSE 426 Software Engineering I credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/426)
Same as CS 427. See CS 427.

CSE 427 Interactive Computer Graphics credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/427)
Same as CS 418. See CS 418.

CSE 428 Statistical computing credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/428)
Same as STAT 428. See STAT 428.

CSE 429 Software Engineering II credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/429)
Same as CS 428. See CS 428.

CSE 440 Statistical Data Management credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/440)
Same as STAT 440. See STAT 440.

CSE 441 Introduction to Optimization credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/441)
Same as ECE 490. See ECE 490.

CSE 448 Advanced Data Analysis credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/448)
Same as STAT 448. See STAT 448.

CSE 450 Computational Mechanics credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/CSE/450)
Same as TAM 470. See TAM 470.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE 543</td>
<td>Topics in Image Processing</td>
<td>4</td>
<td>Same as ECE 547. See ECE 547.</td>
</tr>
<tr>
<td>CSE 551</td>
<td>Finite Element Methods</td>
<td>4</td>
<td>Same as CEE 570. See CEE 570.</td>
</tr>
<tr>
<td>CSE 552</td>
<td>Nonlinear Finite Elements</td>
<td>4</td>
<td>Same as CEE 576. See CEE 576.</td>
</tr>
<tr>
<td>CSE 553</td>
<td>Computational Inelasticity</td>
<td>4</td>
<td>Same as CEE 577. See CEE 577.</td>
</tr>
<tr>
<td>CSE 554</td>
<td>Computational Plates &amp; Shells</td>
<td>4</td>
<td>Same as CEE 571. See CEE 571.</td>
</tr>
<tr>
<td>CSE 560</td>
<td>Computational Fluid Mechanics</td>
<td>4</td>
<td>Same as TAM 570. See TAM 570.</td>
</tr>
<tr>
<td>CSE 561</td>
<td>Computational Process Modeling</td>
<td>4</td>
<td>Same as ME 554. See ME 554.</td>
</tr>
<tr>
<td>CSE 566</td>
<td>Numerical Fluid Dynamics</td>
<td>4</td>
<td>Same as ATMS 502. See ATMS 502.</td>
</tr>
<tr>
<td>CSE 576</td>
<td>Computational Chemical Biology</td>
<td>4</td>
<td>Same as BIOP 576 and CHEM 576. See CHEM 576.</td>
</tr>
</tbody>
</table>