

**Concentration in Transportation Systems Engineering
WORKSHEET**

STUDENT'S FULL NAME: _____ **UMID:** _____

STEP 1: Core Courses:

| Course | Term Taken | CEE Credits | Non-CEE Credits* |
|---|------------|-------------|------------------|
| CEE551: Traffic Science | | | |
| CEE553: Infrastructure Systems Optimization | | | |
| CEE554: Data Mining in Transportation | | | |
| TOTAL | | | |

STEP 2: Core Plus Courses:

Please select courses taken or to be taken (select 2).

| Course | Term Taken | CEE Credits | Non-CEE Credits* |
|---|------------|-------------|------------------|
| CEE556: Economics of Transportation Systems | | | |
| CEE557: Large-scale Transportation Systems Optimization | | | |
| CEE558: Urban Traffic Operations | | | |
| CEE559: Transportation Network Modeling | | | |
| CEE547 Soil Engineering and Pavement Systems | | | |
| URP560: Transportation and Land Use Planning | | | |
| URP561: Public Policy and Transportation | | | |
| TOTAL | | | |

STEP 3: Recommended Elective Courses:

Please select courses taken or to be taken (select 2).

| Course | Term Taken | CEE Credits | Non-CEE Credits* |
|--|------------|-------------|------------------|
| CEE571: Linear System Theory | | | |
| CEE572: Dynamic Infrastructure Systems | | | |
| CEE575: Sensing for Civil Infrastructure Systems | | | |
| CEE576: Stochastic Systems | | | |
| EECS460: Control Systems Analysis and Design | | | |
| TOTAL | | | |

STEP 4: Other Courses:

Please identify other courses taken. Directed studies, seminar or independent research credits are not acceptable to satisfy course requirements.

| Course | 400-Level (Yes/No) | Term Taken | CEE Credits | Non-CEE Credits* |
|--------|--------------------|------------|-------------|------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TOTAL | | | | |

STEP 5: Cognate Requirements:

Check to ensure you met the **cognate requirement:**

| Course | |
|--------|--|
| | |

STEP 6: Program Requirements:

Check to ensure all other program requirements have been met.

| Requirement | Credits | Limit |
|---|---------|-----------|
| Total Number of Credits Taken | | ≥ 30 |
| Number of CEE Credits Taken | | ≥ 18 |
| Total Number of 400-Level Credits | | ≤ 12 |
| Total Number of 400-Level Credits in CEE | | ≤ 9 |
| Total Number of Independent Study Credits | | ≤ 6 |

ADVISOR'S SIGNATURE: _____ **DATE:** _____