# 100m Hurdle Workouts & Drills

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Background:

- 20 years coaching experience
- USATF Level I, II & III schools
- USOC Emerging Elite coaching school

Key Resources that I use a lot (books & videos):

- The Science of Hurdling and Speed 4<sup>th</sup> Ed. by Brent McFarlane
- USA Track & Field Coaching Manual
- Strength Training for Track & Field by John Cissik
- Come to Hurdle Practice with Wayne Clark (video)
- Drills for Teaching the Hurdles with Mike Poehlein (video)

At DGS:

- Hurdlers train with sprinters.
- All sprinters (including hurdlers) train for the 400m.
- Most of our hurdlers also compete in several field events.
- Mon-Wed-Sat: workout days.
- Tue-Thu-Fri: technique days.
- Hurdles are ALWAYS set lower and closer than regulation.

Early Season (Jan-March):

- General strength and conditioning.
- Acceleration & speed development.
- Hurdle drills! (all 55-100m hurdle work).

Mid Season (March-April):

- Repetition and Speed Endurance workouts
- 100m/300m hurdle event specific drills!

Late Season (May):

- Technical problem solving
- Speed!

**Dynamic Flexibility Drills**. Various leg swings using the support of the wall or a hurdle. These drills involve fast movements which can be designed to simulate any desired part of the hurdle action. These drills are designed to help the athlete **feel** the correct motion of hurdling while becoming more flexible and comfortable with hurdling at the same time.

Lead Leg Wall Drill. The athlete places a hurdle against a solid wall and stands three walking steps from the hurdle. The athlete walks up to the hurdle and simulates take off with the lead leg. Athlete places his/her foot just above the hurdle board. Emphasize leading with the knee, not the foot. The leg should be bent slightly and not straight.

Standing Trail Leg Wall Drill. The athlete places a hurdle 3 to 4 feet from a wall. They will stand next to the hurdle with the lead foot on the ground in front of the hurdle with their hand on the wall for balance. The trail leg should start fully extended with the toe cocked. The athlete will simulate the trail leg action (keeping the knee high) and step down even with the other foot. Emphasize keeping the trail leg as close to the body as possible and drive the knee into the chest. Do not let the athlete extend the trail leg after they have cleared the hurdle. The foot should come down to the track UNDER the knee.

**Trail Leg Resistance Drill.** The drill is the same as above with the addition of a partner holding the foot of the trail leg and giving resistance. **Emphasize the same correct form as above. Do not let the athlete swivel their hips towards the hurdle as the trail leg comes up or down.** 

**<u>Rhythm Drill</u>**. This drill uses no hurdles. From a light jog on a line, the athlete drives his/her lead leg into the chest followed by the trail leg knee to the chest. The lead leg lands first on the line followed by the trail leg. Repeat this four to five times. You may also add a knee slap to this drill. **Emphasize on the high knee action and driving the knees to the chest.** 

Hurdle Rhythm Drill. Place 3-4 hurdles or barriers that are <u>12</u> inches high and placed about 10 yds apart. The athlete will run slowly over the hurdles while working on the two high knee actions like the rhythm drill. Athlete may start to build speed after the technique becomes better. Emphasize on the high knee action and driving the knees to the chest. <u>0-1-2 Step Drill.</u> The athlete will stand next to one hurdle with the lead leg placed ahead of the hurdle. The 0 step drill consists of the athlete pulling their trail leg over the hurdle. After 10 repetitions, take one step back with the lead leg. The 1 step drill consists of stepping once with the lead leg, driving the lead leg to the chest and stepping down past the hurdle and then performing the trail leg action over the hurdle. Again after 10 reps, take two steps back with the lead leg. The 2 step drill begins with a marching step with the trail leg, followed by the lead leg and then pulling the trail leg over the hurdle. *Emphasize high knees with the lead leg (steps 1 and 2)* and good arm action.

**Trail Leg Hop**. Place the thigh of the lead leg on the hurdle. The goal is to get both legs quickly down on the ground. **Emphasize getting the trail leg down FAST.** 

Angled Hurdle Trail Leg Drill. Lower one side of the hurdle. Face the direction that the hurdle elevates to. Place the lead leg on the support bar and place the knee and ankle (instep) of the trail leg on the hurdle. Pull the trail leg through and drive the arm back. Emphasize keeping the knee above the ankle as it exits the hurdle board.

Hurdle Walk Overs. Place 5 hurdles end to end. The athlete walks over each hurdle alternating legs. Try to keep the trail leg knee as high as possible. This works on the athlete's flexibility and range of motion in the hips.

Hurdle Over and Unders. Place 5 hurdles end to end. Hurdles 2 and 4 should be placed at the highest setting. The athlete will walk over the first hurdle and step through and under the second hurdle (drop hips, don't bend). They will then walk over the third and step through and under the fourth and then walk over the fifth. This works on the athlete's flexibility and range of motion in the hips.

<u>All Trail Leg Drill.</u> Place 5-7 hurdles together. The athlete will go over the middle, starting with the lead leg on the first hurdle, but then only using the trail leg action to cross the remaining hurdles. The trail leg will alternate sides. Emphasize keeping the trail leg as close to the body as possible and drive the knee into the chest. Do not let the athlete extend the trail leg after they have cleared the hurdle. The foot should come down to the track UNDER the knee. "A" skips over Hurdles. Place 5 hurdles three walking strides apart. The athlete will perform a "A" skip over the hurdle with the lead leg. The athlete will skip in between each hurdle. The athlete must lead with the knee, not with the foot. Make sure the athlete is using the arms during this drill. This works on the knee drive of the lead leg. It also develops a rhythm pattern.

"B" Skips over Hurdles. Place 5 hurdles three walking strides apart. The athlete will perform a "B" skip over the hurdle with the lead leg. The athlete will skip in between each hurdle. The athlete must lead with the knee and once the knee is over the hurdle the athlete will extend the leg and snap down or paw back at the same time. Make sure the athlete is using the arms during this drill. The works on the knee drive of the lead leg. It also works on the snapping or pawing action the athlete should feel when he or she is running full speed over the hurdle.

Walking Trail Leg Drill. Place 5 hurdles three walking strides apart. The athlete walks next to the hurdle with the lead leg to the outside. As the athlete approaches the hurdle they should drive the lead leg to the chest and step down past the hurdle. The athlete will then perform the trail leg action over the hurdle. Start at a low height and as the athlete gains flexibility raise the hurdle. Emphasize keeping the trail leg as close to the body as possible and drive the knee into chest. Do not let the athlete extend the trail leg after they have cleared the hurdle. The foot should come down to the track under the knee (step down on the lane line to check if foot is going straight ahead.)

## Starting block drill variations:

- Starts to the 1<sup>st</sup> hurdle. Emphasize acceleration and steps to the first hurdle.
- Starts to the 1<sup>st</sup> 2-4 hurdles. Emphasize total technique.
- Starts to hurdles 1, 3, and 5. Emphasize speed between hurdles.
- Magic hurdles. Speed, speed, speed!

Micorcvcle: Week 1 Mesocycle: General Prep (Medium Intensity) Dates: Jan. 22-27

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**Training Details** Monday Dynamic Warm-up 10x30m flys 1min rest

Tuesday Dynamic Warm-up 6x200m @ 33-36 (fastest group), 37-42, 43-48 sec w/ 3min rest 3x15sec partner resistance runs 2x20x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups) Weights (find max's)

400m jog, stretching & Weights (find max's)

Wednesday Dynamic Warm-up HURDLE TECHNIOUE WORK 2x20x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups) 400m jog, stretching & Weights (find max's)

Thursday Dynamic Warm-up 2x600m @ 1:50 (74/400m pace) 10min rest 3x200m @ 40-39-38sec walk 200m rest 8x10sec jump rope & Weights (find max's)

Friday Dvnamic Warm-up 5xAcceleration Sticks 1'4"-3'-5'-7'4"-10'-13'-16'4"-20'-24'-28'4" 3x200m fast and loose w/ 4 min rest HURDLE TECHNIQUE WORK Weights

Saturday 10min jog, stretching Hills 5x(5sec,10sec,15sec) 15sec rest 5min jog, stretching

Micorcycle: Week 2 Mesocycle: General Prep (Medium Intensity) Dates: Jan. 29 – Feb. 3

### **Training Details** Dav

Monday Dynamic Warm-up 8x200m @ 33-36 (fastest group), 37-42, 43-48 sec w/ 3min rest 2x25x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups)

### Dynamic Warm-up Tuesday 2x10x30m flys 1min rest 400m jog, stretching HURDLE TECHNIQUE WORK Weights

Wednesday Dynamic Warm-up HURDLE TECHNIOUE WORK 2x25x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups) 400m jog, stretching

Thursday Dynamic Warm-up 2x600m @ 1:50 (74/400m pace) 10min rest 3x200m @ 40-39-38sec walk 200m rest 8x10sec jump rope & Weights

Fridav Dvnamic Warm-up HURDLE TECHNIOUE WORK 2x25x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups) 400m jog, stretching & Weights

Saturday 10min jog, stretching Hills(8-10x) 10min jog, stretching

Micorcycle: Week 3 Mesocycle: General Prep (Hard Intensity) Dates: Feb. 5-10

Day Training Details

Monday Dynamic Warm-up 10x200m @ 33-36 (fastest group), 37-42, 43-48 sec w/ 3min rest 5x15sec partner resistance runs & Weights

Tuesday Dynamic Warm-up 2x10x30m flys 1min rest HURDLE TECHNIQUE WORK 2x30x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups) 400m jog, stretching

Wednesday Dynamic Warm-up 2x600m @ 1:50 (74/400m pace) 10min rest 3x200m @ 40-39-38sec walk 200m rest 10x10sec jump rope & Weights

Thursday Dynamic Warm-up HURDLE TECHNIQUE WORK 2x30x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups) 400m jog, stretching

Friday Dynamic Warm-up 5xAcceleration Sticks 1'4"-3'-5'-7'4"-10'-13'-16'4"-20'-24'-28'4" 3x200m fast and loose w/ 4 min rest HURDLE TECHNIQUE WORK Weights

Saturday Meet at Hinsdale Central w/Naperville North

Micorcycle: Week 4 Mesocycle: General Prep (Hard Intensity) Dates: Feb. 12-17

- Day Training Details
- MondayDynamic Warm-up<br/>12x200m @ 33-36 (fastest group), 37-42, 43-48 sec w/ 3min rest<br/>6x15sec partner resistance runs & WeightsTuesdayDynamic Warm-up

2x10x30m flys 1min rest HURDLE TECHNIQUE WORK 2x30x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups) 400m jog, stretching

Wednesday Dynamic Warm-up 2x600m @ 1:50 (74/400m pace) 10min rest 4x200m @ 40-39-38-37 sec walk 200m rest Weights

Thursday Dynamic Warm-up HURDLE TECHNIQUE WORK 2x30x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups) 400m jog, stretching

Friday Dynamic Warm-up 2x10x30m flys 1min rest HURDLE TECHNIQUE WORK 2x30x(Abs: crunches, sides, lying leg raises, bicycles, fold-ups) 400m jog, stretching

Saturday 10min jog, stretching Hills(8-10x), 10min jog, stretching Weights

Micorcycle: Week 5 Mesocycle: General Prep (Recovery Intensity) Dates: Feb. 19-24

 
 Day
 Training Details

 Monday
 Dynamic Warm-up 6x150m Hill 2x20x(Abs: crunches,sides,lying leg raises, bicycles, fold-ups)

400m jog, stretching & Weights

Tuesday Dynamic Warm-up HURDLE TECHNIQUE WORK Hurdler Drills: wall drills, walk thrus, 5x starts to 1<sup>st</sup> hurdle 3x20m, 3x30m, 2x40m block starts & Weights

Wednesday Meet at Home vs. Naperville Central

Thursday Dynamic Warm-up Stick Drill Running 5x(20sticks-4'apart emphasis-frequency) HURDLE TECHNIQUE WORK

Friday Dynamic Warm-up Stick drill running 5x(20sticks-4'apart emphasis-frequency) 3x200m fast and loose w/ 4 min rest Weights

Saturday Meet at Plainfield South

Micorcycle:Week 6Mesocycle:Specific Prep (Light Intensity)Dates:Feb. 26 – Mar. 3

### Day Training Details

Monday Dynamic Warm-up 2x500m @95% (10min rest) 4x40m @95% (30sec/3min) 3x200m @70% (2min rest) Weights

Tuesday Dynamic Warm-up 4-6x40m block starts (3min. rest) 4-6x30m flying sprints (working on finishing at tape) (3min rest) HURDLE TECHNIQUE WORK 3x25xAbs, Cool down/stretch

### Wednesday Dynamic Warm-up

4x300m @90% (8 min. rest) 20min run Weights

Thursday Dynamic Warm-up Stick drill (5x20 sticks at 4ft.6in. apart) 4x80m relaxation strides (easy pace, focus on good form) HURDLE TECHNIQUE WORK 3x25xAbs, Cool down/stretch

Friday Dynamic Warm-up Stick drill (5x20 sticks at 4ft.6in. apart) 10 x resistance running x 60m HURDLE TECHNIQUE WORK

Saturday Meet at Argo Invite

Micorcycle: Week 7 Mesocycle: Specific Prep (Medium Intensity) Dates: Mar. 5-10

### Day Training Details

- Monday Dynamic Warm-up 2x500m @95% (10min rest) 4x40m @95% (30sec/3min) 3x200m @70% (2min rest) Weights (find new max's and adjust)
- Tuesday Dynamic Warm-up Stick drill (5x20 sticks at 4ft.6in. apart) 4x80m relaxation strides (easy pace, focus on good form) HURDLE TECHNIQUE WORK 3x25xAbs, Cool down/stretch

Wednesday Meet at Mustang Relays

ThursdayDynamic Warm-up<br/>Stick drill (5x20 sticks at 4ft.6in. apart)<br/>4-6x40m block starts (3min. rest)<br/>4-6x30m flying sprints (working on finishing at tape) (3min rest)<br/>HURDLE TECHNIQUE WORK<br/>Weights (find new max's and adjust)

Friday Meet at Glenbard North Invite

Saturday 30 min. run on your own & 3 sets of sit ups

Micorcycle:	Week 8
Mesocycle:	Specific Prep (Medium Intensity)
Dates:	Mar. 12-17

# DayTraining DetailsMonday3x300m @90% (8min rest)<br/>6x100m Hill (start further up)<br/>WeightsTuesdayDynamic Warm-up<br/>6x40m block starts (3min. rest)<br/>6x30m flying sprints (working on finishing at tape) (3min rest)<br/>HURDLE TECHNIQUE WORK<br/>4x80m relaxation strides (easy pace, focus on good form)

### Wednesday Dynamic Warm-up 4x200m @90% (8min rest) 3x25xAbs, Cool down/stretch Weights

### Thursday Dynamic Warm-up 3x200m @ 32 sec. (4 min recovery) HURDLE TECHNIQUE WORK Weights

- Friday Meet at Hinsdale South (West Suburban Gold Conference Championship)
- Saturday 30 min. run on your own & 3 sets of sit ups

Micorcycle:Week 9Mesocycle:Specific Prep (Hard Intensity)Dates:Mar. 19-24

### Day Training Details

- Monday Dynamic Warm-up 2x500m @95% (10min rest) 4x40m @95% (30sec/3min) 3x200m @70% (2min rest) Weights
- Tuesday Dynamic Warm-up Stick drill (5x20 sticks at 5ft. apart) 6x40m block starts (3min. rest) 6x30m flying sprints (working on finishing at tape) (3min rest) HURDLE TECHNIQUE WORK 3x30xAbs, Cool down/stretch
- Wednesday Dynamic Warm-up 4x300m @90% (8 min. rest) 8x100m Hill Weights
- Thursday Dynamic Warm-up 3x200m 32-31-30sec (walk 200m rest) HURDLE TECHNIQUE WORK 3x30xAbs, Cool down/stretch 4x80m relaxation strides (easy pace, focus on good form)
- Friday 20min Warm-up 6x400m Hill 20min Cool-down & Stretch
- Saturday 30min on your own & 3 sets of sit-ups

	Week 10 Specific Prep (Hard Intensity) Mar. 26-31 (SPRING BREAK WEEK)
Day	Training Details
Monday	30min on your own & 3 sets of sit-ups
Tuesday	30min on your own & 3 sets of sit-ups
Wednesday	Dynamic Warm-up 2x500m @95% (10min rest) 4x40m @95% (30sec/3min) 3x200m @70% (2min rest) Weights
Thursday	Dynamic Warm-up Stick drill (5x20 sticks at 5ft. apart) 3x200m 32-31-30sec (walk 200m rest) HURDLE TECHNIQUE WORK 3x30xAbs, Cool down/stretch 4x80m relaxation strides (easy pace, focus on good form)
Friday	IPTT Qualfiers: HURDLE TECHNIQUE WORK All Others Dynamic Warm-up 4x300m @90% (8 min. rest) 8x100m Hill Weights Leave for IPTT Meet after practice

**Saturday** Meet at Illinois Prep Top Times (Bloomington)

Micorcycle: Week 11 Mesocycle: Specific Prep (Recovery Intensity) Dates: Apr. 2-7

DayTraining DetailsMondayDynamic Warm-up<br/>2x450m@85% Speed: 80sec (70sec/400m pace) 15min rest<br/>3x200m Speed: 36-35-34 sec Rest: 3 min<br/>Weights

- Tuesday Outdoor Track 101 Dynamic Warm-up Stick drill (5x20 sticks at 5ft. apart) 6x40m block starts HURDLE TECHNIQUE WORK 4x100m relaxation strides (easy pace, focus on good form)
- Wednesday Meet at Downers Grove North w/York

ThursdayDynamic Warm-up<br/>Stick drill (5x20 sticks at 5ft. apart)<br/>HURDLE TECHNIQUE WORK<br/>4x200m @60-70% (90sec walk 200m rest)<br/>4x100m relaxation strides (easy pace, focus on good form)<br/>WeightsThFriday30min on your own & 3 sets of sit-upsFri

- (No School Good Friday)
- Saturday Meet at Home DGS Invitational

Micorcycle: Week 12 Mesocycle: Competition (Light Intensity) Dates: Apr. 9-14

### Day Training Details

Monday Home meet vs. Oak Park

Tuesday Dynamic Warm-up 10x10sec fast jump ropes HURDLE TECHNIQUE WORK Hurdlers 6x6 hurdles at 8.5m or 6xH4,5,6 3x20xAbs

Wednesday Dynamic Warm-up <u>2x450m@85%</u> Speed: 80sec (70sec/400m pace) 15min rest 3x200m Speed: 36-35-34 sec Rest: 3 min 4x100m relaxation strides (easy pace, focus on good form) Weights

## Thursday Dynamic Warm-up Stick drill (5x20 sticks at 5ft. apart) HURDLE TECHNIQUE WORK 4x200m @60-70% (90sec walk 200m rest) 4x100m relaxation strides (easy pace, focus on good form) Weights

Friday 15min warm up jog, stretching HURDLE TECHNIQUE WORK

Saturday Meet at WWS Invitational

Micorcycle: Week 13 Mesocycle: Competition (Medium Intensity) Dates: Apr. 16-21

Day Training Details

- Monday Dynamic Warm-up Hurdle Flexibilty 3x300m (1<sup>st</sup> 5 hurdles plus sprint to finish) Hard w/ full recovery (goal: 15-15-15 seconds ea. 100m) Weights
- Tuesday Dynamic Warm-up 10x10sec fast jump ropes HURDLE TECHNIQUE WORK 6x6 hurdles at 8.5m or 6xH4,5,6 3x20xAbs

Wednesday Meet at York

- Thursday Dynamic Warm-up HURDLE TECHNIQUE WORK 100h: 4xStarts over 5 hurdles, 3x120m w/11 hurdles (1ft.closer) 300h: 3 starts over 1<sup>st</sup> 4 hurdles 5 min rest Weights
- Friday 15min warm up jog, stretching HURDLE TECHNIQUE WORK

Saturday Meet at Glenbard West Invitational

Micorcycle: Week 14 Mesocycle: Competition (Medium Intensity) Dates: Apr. 23-28

### Day Training Details

- Monday Dynamic Warm-up Hurdle Flexibilty 3x300m (1<sup>st</sup> 5 hurdles plus sprint to finish) Hard w/ full recovery (goal: 15-15-15 seconds ea. 100m) Weights
- Tuesday Dynamic Warm-up 10x10sec fast jump ropes HURDLE TECHNIQUE WORK 100h: 4xStarts over 5 hurdles (1ft.closer) (3min rest) 300h: 3 starts over 1<sup>st</sup> 4 hurdles (5 min rest) 3x20xAbs

Wednesday Meet at Home vs. Willowbrook, Leyden & Addison

- Thursday Dynamic Warm-up 3xSpeedmakers (50m-all out, 50m-stride, 50m jog) HURDLE TECHNIQUE WORK Weights
- Friday Meet at WWS Tiger Invitational
- Saturday Potential State Meet Saturday Qualifiers: Simulated Day 2 Race(s) w/ full recovery

Micorcycle: Week 15 Mesocycle: Competition (Hard Intensity) Dates: Apr.30 – May 5

Day Training Details

- Monday Warm-up & Stretch <u>1x320m</u> Fast (w/400 strategy-fast80,stride80,pickup80,kick80) 15min rest, Hurdle Flexibility 3x8 hurdles (ea.moved in) plus sprint to 150m Weights
- Tuesday Warm-up & Stretch 3xSpeedmakers (50m-all out, 50m-stride, 50m jog) HURDLE TECHNIQUE WORK 6x6 'magic' 100m hurdles or 6x 300m H4,5,6

Wednesday Warm-up & Stretch 1x450 Speed:75sec (66sec/400m pace) Rest: 15min 3x200m Speed: 34-33-32 sec Rest: walk 200m Weights`

Thursday Warm-up & Stretch 3xSpeedmakers (50m-all out, 50m-stride, 50m jog) HURDLE TECHNIQUE WORK 6x6 'magic' 100m hurdles or 4x 300m H4,5,6

Friday Meet at WSC Gold Conference Championships at Hinsdale South

Saturday Potential State Meet Saturday Qualifiers: Simulated Day 2 Race(s) w/ full recovery

	W 14/
Micorcycle:	
•	Competition (Hard Intensity)
Dates:	May 7-12
Day	Training Details
Monday	JV Meet at Naperville Central
	Hurdle Flexibility
	3x8 hurdles (ea.moved in) plus sprint to 150m
<b>T</b> 1	Weights
Tuesday	Dynamic Warm-up
*** 1 1	HURDLE TECHNIQUE WORK
Wednesday	Dynamic Warm-up
	4x30m Block Starts or Flys
	HURDLE TECHNIQUE WORK & Weights
Thursday	15min warm up jog, stretching
Friday	Meet at Downers North IHSA Sectional
Saturday	Potential State Meet Saturday Qualifiers:
	Simulated Day 2 Race(s) w/ full recovery
Micorcycle:	Week 17
Mesocycle:	Competition (Recovery Intensity)
Dates:	May 14-19
Day	Training Details
Monday	Warm-up & Stretch
-	<u>1x320m</u> Fast (w/400 strategy-fast80,stride80,pickup80,kick80)
	15min rest, Hurdle Flexibility
	Block starts to the 1 <sup>st</sup> 3 hurdles & Weights
Tuesday	Dynamic Warm-up
	HURDLE TECHNIQUE WORK
	4x 300m H4,5,6
Wednesday	Warm-up & Stretch
-	HURDLE TECHNIQUE WORK
	6x6 'magic' 100m hurdles
Thursday	Block starts to 1 <sup>st</sup> 3 100m hurdles, 1 <sup>st</sup> 2 300m hurdles
Friday	Meet at EIU IHSA State
Saturday	Meet at EIU IHSA State